OVERALL LAPTOP COST COMPARISON

	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10	CONFIGURATION 11	CONFIGURATION 12	CONFIGURATION 13	CONFIGURATION 14	CONFIGURATION 15	CONFIGURATION 16	CONFIGURATION 17
	10" TABLET	10" SEMI-RUGGED TABLET	12" CHROMEBOOK	12" CONVERTIBLE BUSINESS LAPTOP	12" CONVERTIBLE PERFORMANCE LAPTOP	12" 2-IN-1 BUSINESS LAPTOP	12" 2-IN-1 PERFORMANCE LAPTOP	14" CHROMEBOOK	14" BUSINESS LAPTOP	14" PERFORMANCE LAPTOP	14" 2-IN-1 BUSINESS TABLET	14" 2-IN-1 PERFORMANCE TABLET	14" SEMI-RUGGED LAPTOP	15" BUSINESS LAPTOP	15" PERFORMANCE LAPTOP	16" PERFORMANCE LAPTOP	16" WORKSTATION LAPTOP
DELL Sterling Computers MA-IS-2440129	Latitude 7320 $1,338.75	Latitude 7230 Rugged $2,305.55	Latitude 5430 Chrome $871.50	Latitude 5340 2-in-1 $1,270.75	Latitude 5340 2-in-1 $1,612.00	No Offering No Offering	No Offering No Offering	Latitude 5430 Chrome $974.15	Latitude 5440 $1,403.60	Latitude 5440 $1,604.60	Latitude 7440 2-in-1 $1,646.00	Latitude 7440 2-in-1 $1,854.80	Latitude 5430 Rugged $2,090.00	Latitude 5540 $1,453.34	Latitude 5540 $1,622.00	Precision 5680 $2,295.30	Precision 7680 $2,564.10
HP Golden Star Technology MA-IS-2440130	No Offering No Offering	No Offering No Offering	Elite C640 G3 $983.00	EliteBook x360 830 G10 $1,458.00	EliteBook x360 830 G10 $1,666.00	No Offering No Offering	No Offering No Offering	Elite C640 G3 $1,144.00	EliteBook 640 G10 $1,250.00	EliteBook 640 G10 $1,480.00	EliteBook x360 1040 G10 $1,652.00	EliteBook x360 1040 G10 $1,860.00	No Offering No Offering	EliteBook 650 G10 $1,299.00	EliteBook 650 G10 $1,535.00	Zbook Fury 16 G10 $2,439.00	Zbook Fury 16 G10 $2,430.00
LENOVO Technology Integration Group MA-IS-2440131	No Offering No Offering	No Offering No Offering	Chromebook 100E Gen 4 $375.99	ThinkPad L13 Yoga Gen 4 $1,427.99	ThinkPad L13 Yoga Gen 4 $1,603.99	ThinkPad X13 Yoga Gen 4 $1,757.99	ThinkPad X13 Yoga Gen 4 $1,932.99	14E Chromebook Gen 3 $537.99	ThinkPad L14 Gen 4 $1,295.99	ThinkPad T14 Gen 4 $1,647.99	ThinkPad X1 Yoga Gen 8 $1,867.99	ThinkPad X1 Yoga Gen 8 $2,086.99	ThinkPad T14 Gen 4 $1,427.99	ThinkPad L15 Gen 4 $1,394.99	ThinkPad T16 Gen 2 $1,801.99	ThinkPad P1 Gen 6 $2,526.99	ThinkPad P16 Gen 2 $2,416.99
MICROSOFT Zones LLC MA-IS-2440132	No Offering No Offering	No Offering No Offering	No Offering No Offering	Surface Laptop Go 3 $1,168.25	No Offering No Offering	Surface Pro 9 $1,445.25	Surface Pro 9 $1,770.50	No Offering No Offering	Surface Laptop 5 $1,478.75	Surface Laptop 5 $1,645.00	No Offering No Offering	Surface Laptop Studio 2 $2,362.25	No Offering No Offering	No Offering No Offering	Surface Laptop 5 $1,732.75	No Offering No Offering	No Offering No Offering

Updated 3/26/2024

CONFIGURATION 1
10" TABLET
COMPARISON

		Dell Latitude 7320	HP No Offering	Lenovo No Offering	Microsoft No Offering
		$1,338.75	**No Offering**	**No Offering**	**No Offering**
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	2	1.7			
Display Size	10 inch FHD Touchscreen	13 Inch FHD Touchscreen			
Processor	Intel Core m3-10100Y 1.30GHz, 4M, 2 Core, 4 Thread	Intel Core i5 1140G7 1.80GHz, 8M, 4 Core, 8 Thread			
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive			
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit			
RAM	16GB DDR3 non-ECC	16GB non-ECC			
Hard Disk	256GB PCIe non-OPAL	256GB PCIe non-OPAL			
Removable Storage					
Video Graphics	HD Graphics 615	Intel Iris Graphics			
Web Camera	Front IR	Front IR			
Sound	High Definition Audio	High Definition Audio			
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX			
Bluetooth Interface	5	5.2			
Biometrics	Yes	Fingerprint Reader			
Security	Intel vPro	Intel vPro			
EnergyStar Level	7	7			
ePEAT Level	Bronze	Gold			
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)			
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement			
Mouse (Touchpad / Touchstick)		Touchscreen			
Keyboard Type (Phys./Virt./# keys)		79 Virtual			
RAM Maximum		16GB non-ECC			
Media Card Slots					
USB Ports - Rear (2.0 / 3.0 / C)		C (2)			
Maximum Supported Video Resolution		1920 x 1280			
Serial Port (9pin, 16550)					
DisplayPort Out		1			
HDMI Out					
VGA Out					
Headphone/Speaker Line Out		1			
Accelerometer					
GPS position					
e-Compass		Yes			
Gyro		Yes			
Battery Type (Cell)		2 Cell			
Expected Battery life (Hours)		12.3			
Recharge Time (Hours)		1.5			
AC Adapter (Watts)		45			
Cable Lock Slot		Yes			
Acoustics (max. dB)		14			
Dimensions (inches W x D x H)		11.35 x 8.18 x 0.33			
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security				
Display	FHD/Outdoor/Backlit/Security				
Display	FHD/Outdoor/Backlit/Security				
RAM	32GB non-ECC				
RAM	64GB non-ECC				
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL			
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL			
Solid State Drive	2TB PCIe non-OPAL				
Video Graphics	AMD / nVidia w/2GB				
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS				
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience			
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience			
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience			
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	WD19S 130W			
Port Replicator	Port Replicator	USB-C 7-in-1 Multiport Adapter - DA310			
Port Replicator	Port Replicator	USB-C Dual Docking Station 90W - HD22Q			
Display Adapter	USB to DisplayPort	USB-C to DisplayPort			
Display Adapter	USB to HDMI	USB-C to HDMI			
Display Adapter	DisplayPort to HDMI	DisplayPort to HDMI			
Display Adapter	miniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort			
Display Adapter	miniDisplayPort to HDMI	MiniDisplayPort to HDMI			
Display Adapter	Wireless				
Stand	Laptop/Monitor				
Stand	Laptop/Monitor				
Stand	Laptop/Monitor				
Keyboard/Pen/Dock	External	Pro Wireless Keyboard & Mouse			
Keyboard/Pen/Dock	External	Premier Wireless Keyboard & Mouse			
Keyboard/Pen/Dock	External	Detactable Travel Keyboard			
Keyboard/Pen/Dock	External	Active Pen (PN7320A)			
Removable Storage	USB DVD+/-RW	USB DVD+/-RW - DW316			
Battery (Additional)	Battery Additional				
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet			
Power (Additional)	AC Adapter	USB-C 65W AC Adapter			
Power (Additional)	Auto/Air Adapter				
Lock Kit	Lock Kit	Lock Kit			
Case	Nylon/Neoprene	Pro Sleeve 14			
Case	Leather				
Case	Ruggedized				
Case	Deluxe w/Wheels				

CONFIGURATION 2
10" SEMI-RUGGED TABLET

(MIL-STD-810G COMPLIANT)

COMPARISON

		Dell	HP	Lenovo	Microsoft
		Latitude 7230 Rugged	No Offering	No Offering	No Offering
		$2,305.55	No Offering	No Offering	No Offering
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	3	2.78			
Display Size	10 inch FHD Touchscreen	12 Inch FHD Touchscreen			
Processor	Intel Core i5 1240U 1.10GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1240U 1.10GHz, 12M, 10 Core, 12 Thread			
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive			
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit			
RAM	16GB DDR3 non-ECC	16GB non-ECC			
Hard Disk	256GB PCIe non-OPAL	256GB PCIe non-OPAL			
Removable Storage					
Video Graphics	HD Graphics	Intel Iris Xe Graphics			
Web Camera	Front IR	Front IR / Rear			
Sound	High Definition Audio	High Definition Audio			
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX			
Bluetooth Interface	5	5.2			
Biometrics	Yes	Fingerprint Reader			
Security	Intel vPro	Intel vPro			
EnergyStar Level	7	7			
ePEAT Level	Bronze	Gold			
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)			
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement			
Mouse (Touchpad / Touchstick)		Touchscreen			
Keyboard Type (Phys./Virt./# keys)		79 Virtual			
RAM Maximum		32GB non-ECC			
Media Card Slots		MicroSD			
USB Ports - Rear (2.0 / 3.0 / C)		3.1 (1) / C (2)			
Maximum Supported Video Resolution		1920 x 1080			
Serial Port (9pin, 16550)					
DisplayPort Out					
HDMI Out					
VGA Out					
Headphone/Speaker Line Out		1			
Accelerometer					
GPS position					
e-Compass					
Gyro					
Battery Type (Cell)		2 Cell			
Expected Battery life (Hours)		9.3			
Recharge Time (Hours)		1.25			
AC Adapter (Watts)		65			
Cable Lock Slot		Yes			
Acoustics (max. dB)		12			
Dimensions (inches W x D x H)		11.65 x 7.99 x 0.94			
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security				
Display	FHD/Outdoor/Backlit/Security				
Display	FHD/Outdoor/Backlit/Security				
RAM	32GB non-ECC	32GB non-ECC			
RAM	64GB non-ECC				
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL			
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL			
Solid State Drive	2TB PCIe non-OPAL				
Video Graphics	AMD / nVidia w/2GB				
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS				
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience			
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience			
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience			
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator				
Port Replicator	Port Replicator				
Port Replicator	Port Replicator				
Display Adapter	USB to DisplayPort	USB-C to DisplayPort			
Display Adapter	USB to HDMI	USB-C to HDMI			
Display Adapter	DisplayPort to HDMI	DisplayPort to HDMI			
Display Adapter	miniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort			
Display Adapter	miniDisplayPort to HDMI	MiniDisplayPort to HDMI			
Display Adapter	Wireless				
Stand	Laptop/Monitor	Rigid Rugged Extreme			
Stand	Laptop/Monitor	Rotating Hand Strap			
Stand	Laptop/Monitor				
Keyboard/Pen/Dock	External	Rugged Extreme			
Keyboard/Pen/Dock	External	Passive Pen			
Keyboard/Pen/Dock	External				
Keyboard/Pen/Dock	External				
Removable Storage	USB DVD+/-RW	USB DVD+/-RW - DW316			
Battery (Additional)	Battery Additional				
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet			
Power (Additional)	AC Adapter	USB-C 100W AC Adapter			
Power (Additional)	Auto/Air Adapter				
Lock Kit	Lock Kit				
Case	Nylon/Neoprene	Laptop Carry Case Rugged			
Case	Leather				
Case	Ruggedized	Rugged Escape Backpack			
Case	Deluxe w/Wheels				

CONFIGURATION 3
12" CHROMEBOOK
COMPARISON

		Lenovo Chromebook 100E Gen 4	Dell Latitude 5430 Chrome	HP Elite C640 G3	Microsoft No Offering
		$375.99	$871.50	$983.00	No Offering
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	3	2.71	3.34	3.35	
Display Size	12 inch FHD Wide Screen	11.6 Inch HD Wide Screen	14 Inch FHD	14 Inch FHD Wide Screen	
Processor	AMD / Intel Dual Core 1.10GHz	MediaTek MT8186 2.00GHz, 2M, 4 Core, 4 Thread	Intel Core i5 1245U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1245U 1.60GHz, 12M, 10 Core, 12 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System	Chrome	Chrome	Chrome	Chrome	
RAM	4GB DDR3 non-ECC	4GB non-ECC	8GB non-ECC	8GB non-ECC	
Hard Disk	32GB eMMC non-OPAL	32GB eMMC non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	
Removable Storage					
Video Graphics	HD Graphics	HD Graphics	Intel Iris Xe Graphics	Intel UHD Graphics	
Web Camera	Front IR	Front IR	Front	Front IR	
Sound	High Definition Audio	High Definition Audio	High Definition Audio	Bang & Olufsen	
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AC	MediaTek 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	
Bluetooth Interface	5	5.1	5.2	5.3	
Biometrics	Yes		Fingerprint Reader		
Security					
EnergyStar Level	7	8	8	7	
ePEAT Level	Bronze	Gold	Silver	Gold	
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	
Mouse (Touchpad / Touchstick)		Touchpad	Touchpad	Touchpad	
Keyboard Type (Phys./Virt./# keys)		86 Keys	74 Keys	83 Keys	
RAM Maximum		8GB non-ECC	16GB non-ECC	16GB non-ECC	
Media Card Slots			SD	MicroSD	
USB Ports - Rear (2.0 / 3.0 / C)		3.2 (2) / C (1)	3.2 (1) / C (2)	3.1 (2) / C (2)	
Maximum Supported Video Resolution		1920 x 1080	1920 x 1080	1920.108	
Serial Port (9pin, 16550)					
VGA Out			1		
HDMI Out		1		1	
DisplayPort Out					
Headphone/Speaker Line Out		1	1	1	
Accelerometer		Yes			
GPS position					
e-Compass		Yes			
Gyro		Yes			
Battery Type (Cell)		3 Cell	4 Cell	3 Cell	
Expected Battery life (Hours)		8	9.2	12	
Recharge Time (Hours)		1.25	1.4	1.25	
AC Adapter (Watts)		65	65	65	
Cable Lock Slot		Yes	Yes	Yes	
Acoustics (max. dB)		5	19	2.6	
Dimensions (inches W x D x H)		11.3 x 7.9 x 0.73	12.36 x 9.15 x 0.72	12.8 x 8.07 x 0.65	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security		FHD Touchscreen	FHD Touchscreen	
Display	FHD/Outdoor/Backlit/Security		Backlit Keyboard		
Display	FHD/Outdoor/Backlit/Security				
Operating System	Chrome Ent. Mgmt. 1Yr. Lic	Chrome Ent. Mgmt. 1Yr. Lic	Chrome Ent. Mgmt. 1Yr. Lic	Chrome Ent. Mgmt. Perpetual	
RAM	8GB non-ECC	8GB non-ECC			
RAM	16GB non-ECC		16GB non-ECC	16GB non-ECC	
RAM	32GB non-ECC				
RAM	64GB non-ECC				
Solid State Drive	64GB eMMC non-OPAL	64GB eMMC non-OPAL			
Solid State Drive	64GB PCIe non-OPAL				
Solid State Drive	128GB PCIe non-OPAL				
Solid State Drive	256GB PCIe non-OPAL				
Solid State Drive	512GB PCIe non-OPAL		512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Video Graphics	AMD / nVidia w/2GB				
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS	Gobi 4G		Intel XMM 7360 LTE	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator		USB-C Docking Station 130W - WD19S	USB-C Essential Dock G5 65W	
Port Replicator	Port Replicator			Multiport Hub Universal USB-C	
Port Replicator	Port Replicator				
Display Adapter	USB to DisplayPort		USB-C to DisplayPort	USB-C to DisplayPort	
Display Adapter	USB to HDMI		USB-C to HDMI	USB-C to HDMI	
Display Adapter	DisplayPort to HDMI		DisplayPort to HDMI	DisplayPort to HDMI	
Display Adapter	miniDisplayPort to DisplayPort		MiniDisplayPort to DisplayPort		
Display Adapter	miniDisplayPort to HDMI		MiniDisplayPort to HDMI		
Display Adapter	Wireless				
Stand	Laptop/Monitor	2-in1 Laptop Stand			
Stand	Laptop/Monitor	Portable Aluminum Laptop Stand			
Stand	Laptop/Monitor	Adjustable Notebook Stand			
Keyboard/Pen/Dock	External	USB Keyboard	Pro Wireless Keyboard & Mouse	Thunderbolt Dock 120W G4	
Keyboard/Pen/Dock	External	Keyboard and Mouse Combo	Premier Wireless Keyboard & Mouse	Wired Keyboard and Mouse Combo	
Keyboard/Pen/Dock	External	Wireless Keyboard and Mouse Combo		Wireless Keyboard for Chromebook	
Keyboard/Pen/Dock	External	USB-C 7-in-1 Hub			
Removable Storage	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW - DW316	USB DVD+/-RW	
Battery (Additional)	Battery Additional	Go USB-C Laptop Power Bank			
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet	USB-C to Ethernet	USB to Ethernet G2	
Power (Additional)	AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W AC Adapter	USB-C 65W Power Adapter	
Power (Additional)	Auto/Air Adapter	USB-C 65W DC Travel Adapter			
Lock Kit	Lock Kit	Nanosaver Master Key Cable Lock	Lock Kit	Nano Single Key Lock	
Case	Nylon/Neoprene	ThinkPad 15.6 inch Basic Top load	Pro Briefcase 15	Prelude Pro 15.6Top Load	
Case	Leather			14.1 Business Case	
Case	Ruggedized	ThinkPad Pro 15.6 inch Top load			
Case	Deluxe w/Wheels				

CONFIGURATION 4
12" CONVERTIBLE BUSINESS LAPTOP COMPARISON

		Microsoft Surface Laptop Go 3	Dell Latitude 5340 2-in-1	Lenovo ThinkPad L13 Yoga Gen 4	HP EliteBook x360 830 G10
		$1,168.25	$1,270.75	$1,427.99	$1,458.00
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	4	2.45	2.97	2.92	2.87
Display Size	12 inch FHD Touchscreen	12.4 inch FHD Touchscreen	13.3 Inch FHD Touchscreen	13.3 Inch WUXGA Touchscreen	13.3 Inch WUXGA Touchscreen
Processor	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1235U 1.30GHz, 6M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit
RAM	16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC
Hard Disk	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL
Removable Storage					
Video Graphics	Intel Iris Xe Graphics	Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics
Web Camera	Front IR	Front IR	Front IR	Front IR	Front IR
Sound	High Definition Audio	Dolby Atmos	High Definition Audio	Realtek ALC3287	Bang & Olufsen
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX
Bluetooth Interface	5	5.1	5	5.1	5.2
Biometrics	Yes		Fingerprint Reader		Yes
Security	Intel vPro		Intel vPro	Intel vPro	Intel vPro
EnergyStar Level	7	8	7	8	8
ePEAT Level	Bronze	Gold	Gold	Gold	Gold
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Replacement (Accidental Damage)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)
Battery Warranty	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement
Mouse (Touchpad / Touchstick)		Touchscreen	Touchscreen / Touchpad	Touchpad / Touchscreen	Touchscreen / Touchpad
Keyboard Type (Phys./Virt./# keys)		Virtual	79 Keys	86 Keys	83 Keys
RAM Maximum		16GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC
Media Card Slots					UltraSD
USB Ports - Rear (2.0 / 3.0 / C)		3.1 (1) / C (1)	3.0 (2) / C (2)	3.2 (2) / C (1) / TB4 (1)	3.1 (2) / C (2)
Maximum Supported Video Resolution		3840 x 2160	1920 x 1080	5120 x 3200	3840 x 2160
Serial Port (9pin, 16550)					
DisplayPort Out			1		
HDMI Out			1	1	1
VGA Out					
Headphone/Speaker Line Out		1	1	1	1
Accelerometer		Yes		Yes	Yes
GPS position					
e-Compass			Yes	Yes	Yes
Gyro			Yes	Yes	Yes
Battery Type (Cell)		4 Cell	3 Cell	4 Cell	3 Cell
Expected Battery life (Hours)		13	9.2	13	22
Recharge Time (Hours)		2.5	1.4	1.25	1
AC Adapter (Watts)		39	65	65	65
Cable Lock Slot			Yes	Yes	Yes
Acoustics (max. dB)		32	19	6	2.6
Dimensions (inches W x D x H)		10.95 x 8.12 x 0.62	12.36 x 9.15 x .075	12.0 x 8.58 x 0.67	11.81 x 8.51 x 0.76
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security		Backlight Keyboard	400nits WUXGA Touchscreen	SureView Privacy Screen/Keyboard
Display	FHD/Outdoor/Backlit/Security				400Nits WUXGA Touchscreen
Display	FHD/Outdoor/Backlit/Security				
RAM	32GB non-ECC		32GB non-ECC	32GB non-ECC	32GB non-ECC
RAM	64GB non-ECC				
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL
Solid State Drive	1TB PCIe non-OPAL		1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL
Solid State Drive	2TB PCIe non-OPAL		2TB PCIe non-OPAL		
Video Graphics	AMD / nVidia w/2GB				
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS		Intel XMM 7560R eSIM	Gobi 4G	Intel XMM 7560R+ LTE
Security	3 Yr. Absolute Resilience		3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience
Security	4 Yr. Absolute Resilience		4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience
Security	5 Yr. Absolute Resilience		5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	Surface Dock 2	USB-C Docking Station 130W - WD19S	USB-C Docking Station	USB-C Essential Dock G5 65W
Port Replicator	Port Replicator	Surface Travel Hub		USB-C Smart Docking Statoin	USB-C Dock G5
Port Replicator	Port Replicator			USB-C Mini Dock	Multiport Hub Universal USB-C
Display Adapter	USB to DisplayPort		USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort
Display Adapter	USB to HDMI		USB-C to HDMI	USB-C to HDMI	USB-C to HDMI
Display Adapter	DisplayPort to HDMI		DisplayPort to HDMI		DisplayPort to HDMI
Display Adapter	miniDisplayPort to DisplayPort		MiniDisplayPort to DisplayPort		
Display Adapter	miniDisplayPort to HDMI		MiniDisplayPort to HDMI		
Display Adapter	Wireless				
Stand	Laptop/Monitor			2-in1 Laptop Stand	
Stand	Laptop/Monitor			Portable Aluminum Laptop Stand	
Stand	Laptop/Monitor			Adjustable Notebook Stand	
Keyboard/Pen/Dock	External		Pro Wireless Keyboard & Mouse	USB Keyboard	Thunderbolt Dock G4 120W
Keyboard/Pen/Dock	External		Premier Wireless Keyboard & Mouse	Keyboard and Mouse Combo	Wired Keyboard and Mouse Combo-225
Keyboard/Pen/Dock	External			Wireless Keyboard and Mouse Combo	Wireless Keyboard-405
Keyboard/Pen/Dock	External			USB-C 7-in-1 Hub	USB Travel Mouse
Removable Storage	USB DVD+/-RW		USB DVD+/-RW - DW316	USB DVD+/-RW	USB DVD+/-RW
Battery (Additional)	Battery Additional			Go USB-C Laptop Power Bank	
Network Adapter	USB to Ethernet 10/100/1000		USB-C to Ethernet	USB-C to Ethernet	USB to Ethernet G2
Power (Additional)	AC Adapter	Surface 65W Power Supply	USB-C 65W AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Power Adapter
Power (Additional)	Auto/Air Adapter			USB-C 65W DC Travel Adapter	
Lock Kit	Lock Kit		Lock Kit	Nanosaver Master Key Cable Lock	Nano Single Key Lock
Case	Nylon/Neoprene		Pro Slim Briefcase 15	ThinkPad 15.6 inch Basic Top load	Prelude Pro 15.6Top Load
Case	Leather				14.1 Business Case
Case	Ruggedized			ThinkPad Pro 15.6 inch Top load	Prelude Pro 15.6 Backpack
Case	Deluxe w/Wheels				

CONFIGURATION 5
12" CONVERTIBLE PERFORMANCE LAPTOP COMPARISON

		Lenovo ThinkPad L13 Yoga Gen 4	**Dell Latitude 5340 2-in-1**	**HP EliteBook x360 830 G10**	**Microsoft No Offering**
		$1,603.99	**$1,612.00**	**$1,666.00**	**No Offering**
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	4	2.92	2.97	2.87	
Display Size	12 inch FHD Touchscreen	13.3 Inch WUXGA Touchscreen	13.3 Inch FHD Touchscreen	13.3 Inch WUXGA Touchscreen	
Processor	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	
RAM	16GB DDR4 non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	
Hard Disk	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Removable Storage					
Video Graphics	AMD / nVidia w/2GB	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	
Web Camera	Front IR	Front IR	Front IR	Front IR	
Sound	High Definition Audio	Realtek ALC3287	High Definition Audio	Bang & Olufsen	
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	
Bluetooth Interface	5	5.1	5	5.2	
Biometrics	Yes		Fingerprint Reader	Yes	
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	8	7	8	
ePEAT Level	Bronze	Gold	Gold	Gold	
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	
Mouse (Touchpad / Touchstick)		Touchpad / Touchscreen	Touchscreen / Touchpad	Touchscreen / Touchpad	
Keyboard Type (Phys./Virt./# keys)		86 Keys	79 Keys	83 Keys	
RAM Maximum		32GB non-ECC	32GB non-ECC	32GB non-ECC	
Media Card Slots				UltraSD	
USB Ports - Rear (2.0 / 3.0 / C)		3.2 (2) / C (1) / TB4 (1)	3.0 (2) / C (2)	3.1 (2) / C (2)	
Maximum Supported Video Resolution		5120 x 3200	1920 x 1080	3840 x 2160	
Serial Port (9pin, 16550)					
DisplayPort Out			1		
HDMI Out		1	1	1	
VGA Out					
Headphone/Speaker Line Out		1	1	1	
Accelerometer		Yes		Yes	
GPS position					
e-Compass		Yes	Yes	Yes	
Gyro		Yes	Yes	Yes	
Battery Type (Cell)		4 Cell	3 Cell	3 Cell	
Expected Battery life (Hours)		13	9.2	22	
Recharge Time (Hours)		1.25	1.4	1	
AC Adapter (Watts)		65	65	65	
Cable Lock Slot		Yes	Yes	Yes	
Acoustics (max. dB)		6	19	2.6	
Dimensions (inches W x D x H)		12.0 x 8.58 x 0.67	12.36 x 9.15 x .075	11.81 x 8.51 x 0.76	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security	400nits WUXGA Touchscreen	Backlight Keyboard	SureView Privacy Screen/Keyboard	
Display	FHD/Outdoor/Backlit/Security			400Nits WUXGA Touchscreen	
Display	FHD/Outdoor/Backlit/Security				
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM	64GB non-ECC				
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB PCIe non-OPAL		2TB PCIe non-OPAL		
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS	Gobi 4G	Intel XMM 7560R eSIM	Intel XMM 7560R+ LTE	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Docking Station	USB-C Docking Station 130W - WD19S	USB-C Essential Dock G5 65W	
Port Replicator	Port Replicator	USB-C Smart Docking Statoin		USB-C Dock G5	
Port Replicator	Port Replicator	USB-C Mini Dock		Multiport Hub Universal USB-C	
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	
Display Adapter	DisplayPort to HDMI		DisplayPort to HDMI	DisplayPort to HDMI	
Display Adapter	miniDisplayPort to DisplayPort		MiniDisplayPort to DisplayPort		
Display Adapter	miniDisplayPort to HDMI		MiniDisplayPort to HDMI		
Display Adapter	Wireless				
Stand	Laptop/Monitor	2-in1 Laptop Stand			
Stand	Laptop/Monitor	Portable Aluminum Laptop Stand			
Stand	Laptop/Monitor	Adjustable Notebook Stand			
Keyboard/Pen/Dock	External	USB Keyboard	Pro Wireless Keyboard & Mouse	Thunderbolt Dock G4 120W	
Keyboard/Pen/Dock	External	Keyboard and Mouse Combo	Premier Wireless Keyboard & Mouse	Wired Keyboard and Mouse Combo-655	
Keyboard/Pen/Dock	External	Wireless Keyboard and Mouse Combo		Wireless Mouse-285	
Keyboard/Pen/Dock	External	USB-C 7-in-1 Hub		Rechargeable Active Pen	
Removable Storage	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW - DW316	USB DVD+/-RW	
Battery (Additional)	Battery Additional	Go USB-C Laptop Power Bank			
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet	USB-C to Ethernet	USB to Ethernet G2	
Power (Additional)	AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W AC Adapter	USB-C 65W Power Adapter	
Power (Additional)	Auto/Air Adapter	USB-C 65W DC Travel Adapter			
Lock Kit	Lock Kit	Nanosaver Master Key Cable Lock	Lock Kit	Nano Master Single Key Lock	
Case	Nylon/Neoprene	ThinkPad 15.6 inch Basic Top load	Pro Slim Briefcase 15	Prelude Pro 15.6Top Load	
Case	Leather			14.1 Business Case	
Case	Ruggedized	ThinkPad Pro 15.6 inch Top load		Executive Backpack for 13 to 16.1 inch	
Case	Deluxe w/Wheels				

CONFIGURATION 6
12" 2-IN-1 BUSINESS TABLET COMPARISON

		Microsoft Surface Pro 9	Lenovo ThinkPad X13 Yoga Gen 4	Dell No Offering	HP No Offering
		$1,445.25	$1,757.99	No Offering	No Offering
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	3	1.94	2.66		
Display Size	12 inch FHD Touchscreen	13 inch FHD Touchscreen	13.3 Inch WUXGA Touchscreen		
Processor	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1245U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread		
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive		
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit		
RAM	16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB non-ECC		
Hard Disk	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL		
Removable Storage					
Video Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics		
Web Camera	Front	Front IR	Front IR		
Sound	High Definition Audio	Dolby Atmos	Realtek ALC3287		
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	802.11 AX	Intel 802.11 AX		
Bluetooth Interface	5	5.1	5.1		
Biometrics	Yes				
Security	Intel vPro		Intel vPro		
EnergyStar Level	7	8	8		
ePEAT Level	Bronze	Gold	Gold		
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Replacement (Accidental Damage)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)		
Battery Warranty	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement		
Mouse (Touchpad / Touchstick)		Touchscreen	Touchpad / Touchscreen		
Keyboard Type (Phys./Virt./# keys)		Virtual	86 Keys		
RAM Maximum		32GB non-ECC	32GB non-ECC		
Media Card Slots					
USB Ports - Rear (2.0 / 3.0 / C)		C (2)	3.2 (2) / TB4 (2)		
Maximum Supported Video Resolution		3840 x 2160	3840 x 2640		
Serial Port (9pin, 16550)					
DisplayPort Out					
HDMI Out			1		
VGA Out					
Headphone/Speaker Line Out		1	1		
Accelerometer		Yes	Yes		
GPS position					
e-Compass			Yes		
Gyro		Yes	Yes		
Battery Type (Cell)		4 Cell	4 Cell		
Expected Battery life (Hours)		15.5	15		
Recharge Time (Hours)		1.5	1.25		
AC Adapter (Watts)		65	65		
Cable Lock Slot			Yes		
Acoustics (max. dB)		35	6		
Dimensions (inches W x D x H)		11.3 x 8.2 x 0.37	11.88 x 8.45 x 0.65		
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security		300nits WUXGA Touchscreen		
Display	FHD/Outdoor/Backlit/Security		400nits WUXGA Touchscreen		
Display	FHD/Outdoor/Backlit/Security				
RAM	32GB non-ECC		32GB non-ECC		
RAM	64GB non-ECC				
Solid State Drive	512GB PCIe non-OPAL		512GB PCIe non-OPAL		
Solid State Drive	1TB PCIe non-OPAL		1TB PCIe non-OPAL		
Solid State Drive	2TB PCIe non-OPAL		2TB PCIe non-OPAL		
Video Graphics	AMD / nVidia w/2GB				
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS		Gobi 4G		
Security	3 Yr. Absolute Resilience		3 Yr. Absolute Resilience		
Security	4 Yr. Absolute Resilience		4 Yr. Absolute Resilience		
Security	5 Yr. Absolute Resilience		5 Yr. Absolute Resilience		
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	Surface Dock 2	USB-C Docking Station		
Port Replicator	Port Replicator	Surface Travel Hub	USB-C Smart Docking Statoin		
Port Replicator	Port Replicator	Surface Thunderbolt 4 Dock	USB-C Mini Dock		
Display Adapter	USB to DisplayPort		USB-C to DisplayPort		
Display Adapter	USB to HDMI		USB-C to HDMI		
Display Adapter	DisplayPort to HDMI				
Display Adapter	miniDisplayPort to DisplayPort				
Display Adapter	miniDisplayPort to HDMI				
Display Adapter	Wireless				
Stand	Laptop/Monitor		2-in1 Laptop Stand		
Stand	Laptop/Monitor		Portable Aluminum Laptop Stand		
Stand	Laptop/Monitor		Adjustable Notebook Stand		
Keyboard/Pen/Dock	External	Surface Pro Signature Keyboard	USB Keyboard		
Keyboard/Pen/Dock	External	Surface Slim Pen 2	Keyboard and Mouse Combo		
Keyboard/Pen/Dock	External	Surface Pro Sig. Keyboard w/Slim Pen 2	Wireless Keyboard and Mouse Combo		
Keyboard/Pen/Dock	External		USB-C 7-in-1 Hub		
Removable Storage	USB DVD+/-RW		USB DVD+/-RW		
Battery (Additional)	Battery Additional		Go USB-C Laptop Power Bank		
Network Adapter	USB to Ethernet 10/100/1000		USB-C to Ethernet		
Power (Additional)	AC Adapter	Surface 65W Power Supply	USB-C 65W Standard AC Adapter		
Power (Additional)	Auto/Air Adapter		USB-C 65W DC Travel Adapter		
Lock Kit	Lock Kit		Nanosaver Master Key Cable Lock		
Case	Nylon/Neoprene		ThinkPad 15.6 inch Basic Top load		
Case	Leather				
Case	Ruggedized		ThinkPad Pro 15.6 inch Top load		
Case	Deluxe w/Wheels				

CONFIGURATION 7
12" 2-IN-1 PERFORMANCE TABLET COMPARISON

		Microsoft Surface Pro 9	Lenovo ThinkPad X13 Yoga Gen 4	Dell No Offering	HP No Offering
		$1,770.50	$1,932.99	No Offering	No Offering
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	3	1.94	2.66		
Display Size	12 inch FHD Touchscreen	13 inch FHD Touchscreen	13.3 Inch WUXGA Touchscreen		
Processor	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1265U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread		
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive		
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit		
RAM	16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB non-ECC		
Hard Disk	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL		
Removable Storage					
Video Graphics	AMD / nVidia w/2GB	Intel Iris Xe Graphics	Intel Iris Xe Graphics		
Web Camera	Front IR	Front IR	Front IR		
Sound	High Definition Audio	Dolby Atmos	Realtek ALC3287		
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	802.11 AX	Intel 802.11 AX		
Bluetooth Interface	5	5.1	5.1		
Biometrics	Yes				
Security	Intel vPro		Intel vPro		
EnergyStar Level	7	8	8		
ePEAT Level	Bronze	Gold	Gold		
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Replacement (Accidental Damage)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)		
Battery Warranty	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement		
Mouse (Touchpad / Touchstick)		Touchscreen	Touchpad / Touchscreen		
Keyboard Type (Phys./Virt./# keys)		Virtual	86 Keys		
RAM Maximum		32GB non-ECC	32GB non-ECC		
Media Card Slots					
USB Ports - Rear (2.0 / 3.0 / C)		C (2)	3.2 (2) / TB4 (2)		
Maximum Supported Video Resolution		3840 x 2160	3840 x 2640		
Serial Port (9pin, 16550)					
DisplayPort Out					
HDMI Out			1		
VGA Out					
Headphone/Speaker Line Out		1	1		
Accelerometer		Yes	Yes		
GPS position					
e-Compass			Yes		
Gyro		Yes	Yes		
Battery Type (Cell)		4 Cell	4 Cell		
Expected Battery life (Hours)		15.5	15		
Recharge Time (Hours)		1.5	1.25		
AC Adapter (Watts)		65	65		
Cable Lock Slot			Yes		
Acoustics (max. dB)		35	6		
Dimensions (inches W x D x H)		11.3 x 8.2 x 0.37	11.88 x 8.45 x 0.65		
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security		300nits WUXGA Touchscreen		
Display	FHD/Outdoor/Backlit/Security		400nits WUXGA Touchscreen		
Display	FHD/Outdoor/Backlit/Security				
RAM	32GB non-ECC	32GB non-ECC / 1TB PCIe non-OPAL	32GB non-ECC		
RAM	64GB non-ECC				
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL		
Solid State Drive	2TB PCIe non-OPAL		2TB PCIe non-OPAL		
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS		Gobi 4G		
Security	3 Yr. Absolute Resilience		3 Yr. Absolute Resilience		
Security	4 Yr. Absolute Resilience		4 Yr. Absolute Resilience		
Security	5 Yr. Absolute Resilience		5 Yr. Absolute Resilience		
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	Surface Dock 2	USB-C Docking Station		
Port Replicator	Port Replicator	Surface Travel Hub	USB-C Smart Docking Statoin		
Port Replicator	Port Replicator	Surface Thunderbolt 4 Dock	USB-C Mini Dock		
Display Adapter	USB to DisplayPort		USB-C to DisplayPort		
Display Adapter	USB to HDMI		USB-C to HDMI		
Display Adapter	DisplayPort to HDMI				
Display Adapter	miniDisplayPort to DisplayPort				
Display Adapter	miniDisplayPort to HDMI				
Display Adapter	Wireless				
Stand	Laptop/Monitor		2-in1 Laptop Stand		
Stand	Laptop/Monitor		Portable Aluminum Laptop Stand		
Stand	Laptop/Monitor		Adjustable Notebook Stand		
Keyboard/Pen/Dock	External	Surface Pro Keyboard	USB Keyboard		
Keyboard/Pen/Dock	External	Surface Slim Pen 2	Keyboard and Mouse Combo		
Keyboard/Pen/Dock	External	Surface Pro Sig. Keyboard w/Slim Pen 2	Wireless Keyboard and Mouse Combo		
Keyboard/Pen/Dock	External		USB-C 7-in-1 Hub		
Removable Storage	USB DVD+/-RW		USB DVD+/-RW		
Battery (Additional)	Battery Additional		Go USB-C Laptop Power Bank		
Network Adapter	USB to Ethernet 10/100/1000		USB-C to Ethernet		
Power (Additional)	AC Adapter	Surface 65W Power Supply	USB-C 65W Standard AC Adapter		
Power (Additional)	Auto/Air Adapter		USB-C 65W DC Travel Adapter		
Lock Kit	Lock Kit		Nanosaver Master Key Cable Lock		
Case	Nylon/Neoprene		ThinkPad 15.6 inch Basic Top load		
Case	Leather				
Case	Ruggedized		ThinkPad Pro 15.6 inch Top load		
Case	Deluxe w/Wheels				

CONFIGURATION 8
14" CHROMEBOOK COMPARISON

		Lenovo 14E Chromebook Gen 3	Dell Latitude 5430 Chrome	HP Elite C640 G3	Microsoft No Offering
		$537.99	$974.15	$1,144.00	No Offering
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	3.5	3.3	3.34	3.35	
Display Size	14 inch FHD Wide Screen	14 Inch FHD Wide Screen	14 Inch FHD Wide Screen	14 Inch FHD Wide Screen	
Processor	AMD / Intel Quad Core 1.10GHz	Intel N200 1.00GHz, 6M, 4 Core, 4 Thread	Intel Core i7 1255U 1.70GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1265U 1.80GHz, 12M, 10 Core, 12 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System	Chrome	Chrome	Chrome	Chrome	
RAM	8GB DDR3 non-ECC	8GB non-ECC	8GB non-ECC	16GB non-ECC	
Hard Disk	64GB eMMC non-OPAL	64GB eMMC non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	
Removable Storage					
Video Graphics	HD Graphics	HD Graphics	Intel Iris Xe Graphics	Intel UHD Graphics	
Web Camera	Front IR		Front	Front IR	
Sound	High Definition Audio	Realtek ALC5682I	High Definition Audio	Bang & Olufsen	
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	
Bluetooth Interface	5	5.1	5	5.3	
Biometrics	Yes		Fingerprint Reader		
Security	Intel vPro				
EnergyStar Level	7	8	8	7	
ePEAT Level	Bronze	Gold	Silver	Gold	
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	
Mouse (Touchpad / Touchstick)		Touchpad	Touchpad	Touchpad	
Keyboard Type (Phys./Virt./# keys)		86 Keys	74 Keys	83 Keys	
RAM Maximum		8GB non-ECC	16GB non-ECC	16GB non-ECC	
Media Card Slots			SD	MicroSD	
USB Ports - Rear (2.0 / 3.0 / C)		3.2 (2) / C (1)	3.2 (1) / C (2)	3.1 (2) / C (2)	
Maximum Supported Video Resolution		1920 x 1080	1920 x 1080	1920.108	
Serial Port (9pin, 16550)					
DisplayPort Out			1		
HDMI Out		1		1	
VGA Out					
Headphone/Speaker Line Out		1	1	1	
Accelerometer		Yes			
GPS position					
e-Compass		Yes			
Gyro		Yes			
Battery Type (Cell)		3 Cell	4 Cell	3 Cell	
Expected Battery life (Hours)		14	9.2	12	
Recharge Time (Hours)		1.25	1.4	1.25	
AC Adapter (Watts)		65	65	65	
Cable Lock Slot		Yes	Yes	Yes	
Acoustics (max. dB)		5	19	2.6	
Dimensions (inches W x D x H)		12.77 x 8.51 x 0.67	12.36 x 9.15 x 0.72	12.8 x 8.07 x 0.65	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security	FHD Touchscreen	FHD Touchscreen	FHD Touchscreen	
Display	FHD/Outdoor/Backlit/Security		Backlit Keyboard		
Display	FHD/Outdoor/Backlit/Security				
Operating System	Chrome Ent. Mgmt. 1Yr. Lic	Chrome Ent. Mgmt. 1Yr. Lic	Chrome Ent. Mgmt. 1Yr. Lic	Chrome Ent. Mgmt. Perpetual	
RAM	16GB non-ECC		16GB non-ECC		
RAM	32GB non-ECC				
RAM	64GB non-ECC				
Solid State Drive	128GB PCIe non-OPAL				
Solid State Drive	256GB PCIe non-OPAL				
Solid State Drive	512GB PCIe non-OPAL		512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Video Graphics	AMD / nVidia w/2GB				
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS			Intel XMM 7360 LTE	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator		USB-C Docking Station 130W - WD19S	USB-C Essential Dock G5 65W	
Port Replicator	Port Replicator		USB-C Docking Station 180W - WD19S	Multiport Hub Universal USB-C	
Port Replicator	Port Replicator				
Display Adapter	USB to DisplayPort		USB-C to DisplayPort	USB-C to DisplayPort	
Display Adapter	USB to HDMI		USB-C to HDMI	USB-C to HDMI	
Display Adapter	DisplayPort to HDMI		DisplayPort to HDMI	DisplayPort to HDMI	
Display Adapter	miniDisplayPort to DisplayPort		MiniDisplayPort to DisplayPort		
Display Adapter	miniDisplayPort to HDMI		MiniDisplayPort to HDMI		
Display Adapter	Wireless				
Stand	Laptop/Monitor	2-in1 Laptop Stand			
Stand	Laptop/Monitor	Portable Aluminum Laptop Stand			
Stand	Laptop/Monitor	Adjustable Notebook Stand			
Keyboard/Pen/Dock	External	USB Keyboard	Pro Wireless Keyboard & Mouse	Thunderbolt Dock 120W G4	
Keyboard/Pen/Dock	External	Keyboard and Mouse Combo	Premier Wireless Keyboard & Mouse	Wired Keyboard and Mouse Combo-225	
Keyboard/Pen/Dock	External	Wireless Keyboard and Mouse Combo		Wireless Keyboard for Chromebook	
Keyboard/Pen/Dock	External	USB-C 7-in-1 Hub			
Removable Storage	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW - DW316	USB DVD+/-RW	
Battery (Additional)	Battery Additional	Go USB-C Laptop Power Bank			
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet	USB-C to Ethernet	USB to Ethernet G2	
Power (Additional)	AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W AC Adapter	USB-C 65W Power Adapter	
Power (Additional)	Auto/Air Adapter	USB-C 65W DC Travel Adapter			
Lock Kit	Lock Kit	Nanosaver Master Key Cable Lock	Lock Kit	Nano Single Key Lock	
Case	Nylon/Neoprene	ThinkPad 15.6 inch Basic Top load	Pro Briefcase 15	Prelude Pro 15.6Top Load	
Case	Leather			14.1 Business Case	
Case	Ruggedized	ThinkPad Pro 15.6 inch Top load		Prelude Pro 15.6 Backpack	
Case	Deluxe w/Wheels				

CONFIGURATION 9
14" BUSINESS LAPTOP COMPARISON

Features	Base Specifications	HP EliteBook 640 G10	Lenovo ThinkPad L14 Gen 4	Dell Latitude 5440	Microsoft Surface Laptop 5
		$1,250.00	$1,295.99	$1,403.60	$1,478.75
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	3.5	3.11	3.09	3.06	2.84
Display Size	14 inch FHD Wide Screen	14 Inch FHD Wide Screen	14 Inch FHD Wide Screen	14 Inch FHD Wide Screen	13.5 Inch FHD Touchscreen
Processor	Intel Core i5 1350P 1.90GHz, 12M, 12 Core, 16Thread	Intel Core i5 1350P 1.60GHz, 12M, 12 Core, 16 Thread	Intel Core i5 1350P 1.90GHz, 12M, 12Core, 16 Thread	Intel Core i5 1350P 1.90GHz, 12M, 12 Core, 16 Thread	Intel Core i5 1245U 1.60GHz, 12M, 10 Core, 12 Thread
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit
RAM	16GB DDR4 non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB DDR4 non-ECC
Hard Disk	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL
Removable Storage					
Video Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics
Web Camera	Front IR	Front IR	Front IR	Front IR	Front IR
Sound	High Definition Audio	Bang & Olufsen	Realtek ALC3287	High Definition Audio	Dolby Atmos
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	802.11 AX
Bluetooth Interface	5	5.2	5.1	5	5
Biometrics	Yes	Yes	Yes	Fingerprint Reader	
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	8	8	7	8
ePEAT Level	Bronze	Gold	Gold	Gold	Gold
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Replacement (Accidental Damage)
Battery Warranty	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement
Mouse (Touchpad / Touchstick)		Touchpad	Touchpad	Touchpad	Trackpad / Touchscreen
Keyboard Type (Phys./Virt./# keys)		85 Keys	86 Keys	79 Keys	86 Keys
RAM Maximum		64GB non-ECC	64GB non-ECC	64GB non-ECC	32GB non-ECC
Media Card Slots					
USB Ports - Rear (2.0 / 3.0 / C)		3.1 (3) / C (1)	3.2 (2) / C (1) / TB4 (1)	3.0 (2) / C (2)	3.1 (1) / C (1)
Maximum Supported Video Resolution		1920 x 1080	5120 x 3200	1920 x 1080	3840 x 2160
Serial Port (9pin, 16550)					
DisplayPort Out				1	
HDMI Out		1	1	1	
VGA Out					
Headphone/Speaker Line Out			1	1	1
Accelerometer			Yes		Yes
GPS position					
e-Compass			Yes	Yes	
Gyro			Yes	Yes	Yes
Battery Type (Cell)		3 Cell	3 Cell	3 Cell	10 Cell
Expected Battery life (Hours)		15	17	8.8	16.5
Recharge Time (Hours)		1	1.25	1.4	2.5
AC Adapter (Watts)		65	65	65	65
Cable Lock Slot		Yes	Yes	Yes	
Acoustics (max. dB)		4.2	6	22	35
Dimensions (inches W x D x H)		11.81 x 8.51 x 0.76	12.81 x 8.54 x 0.78	12.65 x 8.35 x 0.75	12.1 x 8.8 x 0.57
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security	SureView Privacy Screen/Keyboard	FHD Touchscreen	FHD Touchscreen	
Display	FHD/Outdoor/Backlit/Security	FHD Touchscreen	400nits FHD	Backlit Keyboard	
Display	FHD/Outdoor/Backlit/Security	400Nits WUXGA			
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM	64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
Video Graphics	AMD / nVidia w/2GB		nVidia GeForce MX550 w/2GB	nVidia GeForce MX550 w/2GB	
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS	Intel XMM 7560R+ LTE	Gobi 4G	Intel XMM 7560R eSIM	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Essential Dock G5 65W	USB-C Docking Station	USB-C Docking Station 180W - WD19S	Surface Dock 2
Port Replicator	Port Replicator	USB-C Dock G5	USB-C Smart Docking Statoin	Thunderbolt Docking Station 180W - WD22TB4	Surface Travel Hub
Port Replicator	Port Replicator	Multiport Hub Universal USB-C	USB-C Mini Dock		Surface Thunderbolt 4 Dock
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	
Display Adapter	DisplayPort to HDMI	DisplayPort to HDMI		DisplayPort to HDMI	
Display Adapter	miniDisplayPort to DisplayPort			MiniDisplayPort to DisplayPort	
Display Adapter	miniDisplayPort to HDMI			MiniDisplayPort to HDMI	
Display Adapter	Wireless				
Stand	Laptop/Monitor		2-in1 Laptop Stand		
Stand	Laptop/Monitor		Portable Aluminum Laptop Stand		
Stand	Laptop/Monitor		Adjustable Notebook Stand		
Keyboard/Pen/Dock	External	Thunderbolt Dock 120W G4	USB Keyboard	Pro Wireless Keyboard & Mouse	Surface Pen - Silver
Keyboard/Pen/Dock	External	Wired Keyboard and Mouse Combo-225	Keyboard and Mouse Combo	Premier Wireless Keyboard & Mouse	
Keyboard/Pen/Dock	External	Wired Mouse-125	Wireless Keyboard and Mouse Combo		
Keyboard/Pen/Dock	External		USB-C 7-in-1 Hub		
Removable Storage	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW - DW316	
Battery (Additional)	Battery Additional		Go USB-C Laptop Power Bank		
Network Adapter	USB to Ethernet 10/100/1000	USB to Ethernet G2	USB-C to Ethernet	USB-C to Ethernet	
Power (Additional)	AC Adapter	USB-C 65W Power Adapter	USB-C 65W Standard AC Adapter	USB-C 65W AC Adapter	Surface 65W Power Supply
Power (Additional)	Auto/Air Adapter		USB-C 65W DC Travel Adapter		
Lock Kit	Lock Kit	Nano Single Key Lock	Nanosaver Master Key Cable Lock	Lock Kit	
Case	Nylon/Neoprene	Prelude Pro 15.6Top Load	ThinkPad 15.6 inch Basic Top load	Pro Briefcase 15	
Case	Leather	14.1 Business Case		Premier Briefcase 15	
Case	Ruggedized	Prelude Pro 15.6 Backpack	ThinkPad Pro 15.6 inch Top load		
Case	Deluxe w/Wheels				

CONFIGURATION 10
14" PERFORMANCE LAPTOP COMPARISON

		HP EliteBook 640 G10	Dell Latitude 5440	Microsoft Surface Laptop 5	Lenovo ThinkPad T14 Gen 4
		$1,480.00	**$1,604.60**	**$1,645.00**	**$1,647.99**
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	3.5	3.11	3.06	2.84	3.09
Display Size	14 inch FHD Wide Screen	14 Inch FHD Wide Screen	14 Inch FHD Wide Screen	13.5 Inch FHD Touchscreen	14 Inch FHD Wide Screen
Processor	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread	Intel Core i7 1370P 1.80GHz, 12M, 14 Core, 20 Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread	Intel Core i7 1265U 3.0GHz, 12M, 4 Core, 8 Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit
RAM	16GB DDR4 non-ECC	16GB non-ECC	16GB non-ECC	16GB DDR4 non-ECC	16GB non-ECC
Hard Disk	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL
Removable Storage					
Video Graphics	AMD / nVidia w/2GB	Intel Iris Xe Graphics	nVidia GeForce MX550 w/2GB	Intel Iris Xe Graphics	nVidia GeForce MX550 w/2GB
Web Camera	Front IR	Front IR	Front IR	Front IR	Front IR
Sound	High Definition Audio	Bang & Olufsen	High Definition Audio	Dolby Atmos	Realtek ALC3287
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	802.11 AX	Intel 802.11 AX
Bluetooth Interface	5	5.2	5	5	5.1
Biometrics	Yes	Yes	Fingerprint Reader		Yes
Security	Intel vPro	Intel vPro	Intel vPro		Intel vPro
EnergyStar Level	7	8	7	8	8
ePEAT Level	Bronze	Gold	Gold	Gold	Gold
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Replacement (Accidental Damage)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)
Battery Warranty	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement
Mouse (Touchpad / Touchstick)		Touchpad	Touchpad	Trackpad / Touchscreen	Touchpad
Keyboard Type (Phys./Virt./# keys)		85 Keys	79 Keys	86 Keys	86 Keys
RAM Maximum		64GB non-ECC	64GB non-ECC	32GB non-ECC	32GB non-ECC
Media Card Slots					
USB Ports - Rear (2.0 / 3.0 / C)		3.1 (3) / C (1)	3.0 (2) / C (2)	3.1 (1) / C (1)	3.2 (2) / TB4 (2)
Maximum Supported Video Resolution		1920 x 1080	1920 x 1080	3840 x 2160	2880 x 1800
Serial Port (9pin, 16550)					
DisplayPort Out			1		
HDMI Out		1	1		1
VGA Out					
Headphone/Speaker Line Out			1	1	1
Accelerometer				Yes	Yes
GPS position					
e-Compass			Yes		Yes
Gyro			Yes	Yes	Yes
Battery Type (Cell)		3 Cell	3 Cell	10 Cell	3 Cell
Expected Battery life (Hours)		15	8.8	16.5	15
Recharge Time (Hours)		1	1.4	2.5	1.25
AC Adapter (Watts)		65	65	65	65
Cable Lock Slot		Yes	Yes		Yes
Acoustics (max. dB)		4.2	22	35	6
Dimensions (inches W x D x H)		11.81 x 8.51 x 0.76	12.65 x 8.35 x 0.75	12.1 x 8.8 x 0.57	12.51 x 8.93 x 0.70
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security	SureView Privacy Screen/Keyboard	FHD Touchscreen		500nits Touchscreen / ePrivacy
Display	FHD/Outdoor/Backlit/Security	FHD Touchscreen	Backlit Keyboard		300nits 2.2K Low Blue Light
Display	FHD/Outdoor/Backlit/Security	400Nits WUXGA			400nits 2.8K OLED
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC
RAM	64GB non-ECC	64GB non-ECC	64GB non-ECC		
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL / 32GB non-ECC	1TB PCIe non-OPAL
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL		2TB PCIe non-OPAL
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS	Intel XMM 7560R+ LTE	Intel XMM 7560R eSIM		Gobi 4G
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	0	3 Yr. Absolute Resilience
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	0	4 Yr. Absolute Resilience
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	0	5 Yr. Absolute Resilience
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Essential Dock G5 65W	USB-C Docking Station 180W - WD19S	Surface Dock 2	USB-C Docking Station
Port Replicator	Port Replicator	USB-C Dock G5	Thunderbolt Docking Station 180W - WD22TB4	Surface Travel Hub	USB-C Smart Docking Statoin
Port Replicator	Port Replicator	Multiport Hub Universal USB-C		Surface Thunderbolt 4 Dock	USB-C Mini Dock
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort		USB-C to DisplayPort
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI		USB-C to HDMI
Display Adapter	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI		
Display Adapter	miniDisplayPort to DisplayPort		MiniDisplayPort to DisplayPort		
Display Adapter	miniDisplayPort to HDMI		MiniDisplayPort to HDMI		
Display Adapter	Wireless				
Stand	Laptop/Monitor				2-in1 Laptop Stand
Stand	Laptop/Monitor				Portable Aluminum Laptop Stand
Stand	Laptop/Monitor				Adjustable Notebook Stand
Keyboard/Pen/Dock	External	Thunderbolt Dock 120W G4	Pro Wireless Keyboard & Mouse	Surface Pen - Silver	USB Keyboard
Keyboard/Pen/Dock	External	Wired Keyboard and Mouse Combo-320MK	Premier Wireless Keyboard & Mouse		Keyboard and Mouse Combo
Keyboard/Pen/Dock	External	Wireless Keybaord-405			Wireless Keyboard and Mouse Combo
Keyboard/Pen/Dock	External				USB-C 7-in-1 Hub
Removable Storage	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW - DW316		USB DVD+/-RW
Battery (Additional)	Battery Additional				Go USB-C Laptop Power Bank
Network Adapter	USB to Ethernet 10/100/1000	USB to Ethernet G2	USB-C to Ethernet		USB-C to Ethernet
Power (Additional)	AC Adapter	USB-C 65W Power Adapter	USB-C 65W AC Adapter	Surface 65W Power Supply	USB-C 65W Standard AC Adapter
Power (Additional)	Auto/Air Adapter				USB-C 65W DC Travel Adapter
Lock Kit	Lock Kit	Nano Master Key Lock	Lock Kit		Nanosaver Master Key Cable Lock
Case	Nylon/Neoprene	Prelude Pro 15.6Top Load	Pro Briefcase 15		ThinkPad 15.6 inch Basic Top load
Case	Leather	14.1 Business Case	Premier Briefcase 15		
Case	Ruggedized	Executive Backpack for 13 to 16.1 inch			ThinkPad Pro 15.6 inch Top load
Case	Deluxe w/Wheels				

CONFIGURATION 11
14" 2-IN-1 BUSINESS TABLET
COMPARISON

		Dell Latitude 7440 2-in-1	HP EliteBook x360 1040 G10	Lenovo ThinkPad X1 Yoga Gen 8	Microsoft No Offering
		$1,646.00	**$1,652.00**	**$1,867.99**	**No Offering**
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	3.5	3.37	2.94	3.04	
Display Size	14 inch FHD Touchscreen	14 Inch FHD Touchscreen	14 Inch FHD Touchscreen	14 Inch WUXGA Touchscreen	
Processor	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	
RAM	16GB DDR4 non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	
Hard Disk	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	
Removable Storage					
Video Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	
Web Camera	Front IR	Front IR	Front IR	Front IR	
Sound	High Definition Audio	High Definition Audio	Bang & Olufsen	Realtek ALC3306	
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	
Bluetooth Interface	5	5	5.2	5.1	
Biometrics	Yes	Fingerprint Reader	Yes		
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	7	8	8	
ePEAT Level	Bronze	Gold	Gold	Gold	
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement	
Mouse (Touchpad / Touchstick)		Touchscreen / Touchpad	Touchscreen / Touchpad	Touchpad / Touchscreen	
Keyboard Type (Phys./Virt./# keys)		79 Keys	83 Keys	86 Keys	
RAM Maximum		32GB non-ECC	32GB non-ECC	64GB non-ECC	
Media Card Slots			SD		
USB Ports - Rear (2.0 / 3.0 / C)		3.0 (2) / C (2)	3.1 (1) / C (2)	3.2 (2) / TB4 (2)	
Maximum Supported Video Resolution		1920 x 1080	2560 x 1600	3840 x 2640	
Serial Port (9pin, 16550)					
DisplayPort Out		1			
HDMI Out		1	1	1	
VGA Out					
Headphone/Speaker Line Out		1	1	1	
Accelerometer			Yes	Yes	
GPS position					
e-Compass		Yes	Yes	Yes	
Gyro		Yes	Yes	Yes	
Battery Type (Cell)		3 Cell	3 Cell	4 Cell	
Expected Battery life (Hours)		10.1	17	15	
Recharge Time (Hours)		1.5	1	1.25	
AC Adapter (Watts)		65	65	65	
Cable Lock Slot		Yes	Yes	Yes	
Acoustics (max. dB)		22	2.6	6	
Dimensions (inches W x D x H)		12.32 x 8.77 x 0.72	12.43 x 8.89 x 0.71	12.38 x 8.75 x 0.61	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security		SureView Privacy Screen/Keyboard	400nits Touchscreen	
Display	FHD/Outdoor/Backlit/Security	Backlit Keyboard	400Nits WUXGA Touchscreen	500nits WQUXGA OLED Touchscreen	
Display	FHD/Outdoor/Backlit/Security			500nits WQUXGA / ePrivacy	
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM	64GB non-ECC			64GB non-ECC	
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL		2TB PCIe non-OPAL	
Video Graphics	AMD / nVidia w/2GB				
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS		Intel XMM 7560R+ LTE	Gobi 4G	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Docking Station 180W - WD19S	USB-C Essential Dock G5 65W	USB-C Docking Station	
Port Replicator	Port Replicator	Thunderbolt Docking Station 180W - WD22TB4	USB-C Dock G5	USB-C Smart Docking Statoin	
Port Replicator	Port Replicator		Multiport Hub Universal USB-C	USB-C Mini Dock	
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	
Display Adapter	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI		
Display Adapter	miniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort			
Display Adapter	miniDisplayPort to HDMI	MiniDisplayPort to HDMI			
Display Adapter	Wireless				
Stand	Laptop/Monitor			2-in1 Laptop Stand	
Stand	Laptop/Monitor			Portable Aluminum Laptop Stand	
Stand	Laptop/Monitor			Adjustable Notebook Stand	
Keyboard/Pen/Dock	External	Pro Wireless Keyboard & Mouse	Thunderbolt Dock 120W G4	USB Keyboard	
Keyboard/Pen/Dock	External	Premier Wireless Keyboard & Mouse	Wired Keyboard and Mouse Combo-225	Keyboard and Mouse Combo	
Keyboard/Pen/Dock	External		Wired Mouse-125	Wireless Keyboard and Mouse Combo	
Keyboard/Pen/Dock	External			USB-C 7-in-1 Hub	
Removable Storage	USB DVD+/-RW	USB DVD+/-RW - DW316	USB DVD+/-RW	USB DVD+/-RW	
Battery (Additional)	Battery Additional			Go USB-C Laptop Power Bank	
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	
Power (Additional)	AC Adapter	USB-C 65W AC Adapter	USB-C 65W Power Adapter	USB-C 65W Standard AC Adapter	
Power (Additional)	Auto/Air Adapter			USB-C 65W DC Travel Adapter	
Lock Kit	Lock Kit	Lock Kit	Nano Single Key Lock	Nanosaver Master Key Cable Lock	
Case	Nylon/Neoprene	Pro Briefcase 15	Prelude Pro 15.6Top Load	ThinkPad 15.6 inch Basic Top load	
Case	Leather	Premier Briefcase 15	14.1 Business Case		
Case	Ruggedized		Prelude Pro 15.6 Backpack	ThinkPad Pro 15.6 inch Top load	
Case	Deluxe w/Wheels				

CONFIGURATION 12
14" 2-IN-1 PERFORMANCE TABLET COMPARISON

		Dell Latitude 7440 2-in-1	**HP EliteBook x360 1040 G10**	**Lenovo ThinkPad X1 Yoga Gen 8**	**Microsoft Surface Laptop Studio 2**
		$1,854.80	**$1,860.00**	**$2,086.99**	**$2,362.25**
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	3.5	3.37	2.94	3.04	4.37
Display Size	14 inch FHD Touchscreen	14 Inch FHD Touchscreen	14 Inch FHD Touchscreen	14 Inch WUXGA Touchscreen	14.4 Inch FHD Touchscreen
Processor	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 13700H 2.40GHz, 24, 14 Core, 20 Thread
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit
RAM	16GB DDR4 non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB DDR4 non-ECC
Hard Disk	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL
Removable Storage					
Video Graphics	AMD / nVidia w/2GB	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	nVidia GeForce RTX 4050 w/6GB
Web Camera	Front IR	Front IR	Front IR	Front IR	Front IR
Sound	High Definition Audio	High Definition Audio	Bang & Olufsen	Realtek ALC3306	Dolby Atmos
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	802.11 AX
Bluetooth Interface	5	5	5.2	5.1	5.1
Biometrics	Yes	Fingerprint Reader	Yes		
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	7	8	8	8
ePEAT Level	Bronze	Gold	Gold	Gold	Gold
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Replacement (Accidental Damage)
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement
Mouse (Touchpad / Touchstick)		Touchscreen / Touchpad	Touchscreen / Touchpad	Touchpad / Touchscreen	Trackpad / Touchscreen
Keyboard Type (Phys./Virt./# keys)		79 Keys	83 Keys	86 Keys	79 Keys
RAM Maximum		32GB non-ECC	32GB non-ECC	64GB non-ECC	64GB non-ECC
Media Card Slots			SD	0	0
USB Ports - Rear (2.0 / 3.0 / C)		3.0 (2) / C (2)	3.1 (1) / C (2)	3.2 (2) / TB4 (2)	3.1 (1) / C (2)
Maximum Supported Video Resolution		1920 x 1080	2560 x 1600	3840 x 2640	3840 x 2160
Serial Port (9pin, 16550)					
DisplayPort Out		1			
HDMI Out		1	1	1	
VGA Out					
Headphone/Speaker Line Out		1	1	1	1
Accelerometer			Yes	Yes	Yes
GPS position					
e-Compass		Yes	Yes	Yes	
Gyro		Yes	Yes	Yes	Yes
Battery Type (Cell)		3 Cell	3 Cell	4 Cell	6 Cell
Expected Battery life (Hours)		10.1	17	15	19
Recharge Time (Hours)		1.5	1	1.25	1.5
AC Adapter (Watts)		65	65	65	65
Cable Lock Slot		Yes	Yes	Yes	
Acoustics (max. dB)		22	2.6	6	36
Dimensions (inches W x D x H)		12.32 x 8.77 x 0.72	12.43 x 8.89 x 0.71	12.38 x 8.75 x 0.61	12.72 x 8.98 x 0.75
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security		SureView Privacy Screen/Keyboard	400nits Touchscreen	
Display	FHD/Outdoor/Backlit/Security	Backlit Keyboard	400Nits WUXGA Touchscreen	500nits WQUXGA OLED Touchscreen	
Display	FHD/Outdoor/Backlit/Security			500nits WQUXGA / ePrivacy	
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC / 1TB PCIe non-OPAL / nVidia RTX 4050 w/6GB
RAM	64GB non-ECC			64GB non-ECC	64GB non-ECC / 1TB PCIe non-OPAL / nVidia RTX 4060 w/8GB
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL / 32GB non-ECC / nVidia RTX 2000 w/8GB
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL		2TB PCIe non-OPAL	2TB PCIe non-OPAL / 64GB non-ECC / nVidia RTX 2000 w/8GB
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				nVidia RTX 4060 w/8GB / 64GB non-ECC / 2TB non-OPAL
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS		Intel XMM 7560R+ LTE	Gobi 4G	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	0
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	0
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	0
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Docking Station 180W - WD19S	USB-C Essential Dock G5 65W	USB-C Docking Station	Surface Dock 2
Port Replicator	Port Replicator	Thunderbolt Docking Station 180W - WD22TB4	USB-C Dock G5	USB-C Smart Docking Statoin	Surface Travel Hub
Port Replicator	Port Replicator		Multiport Hub Universal USB-C	USB-C Mini Dock	Surface Thunderbolt 4 Dock
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	
Display Adapter	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI		
Display Adapter	miniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort			
Display Adapter	miniDisplayPort to HDMI	MiniDisplayPort to HDMI			
Display Adapter	Wireless				
Stand	Laptop/Monitor			2-in1 Laptop Stand	
Stand	Laptop/Monitor			Portable Aluminum Laptop Stand	
Stand	Laptop/Monitor			Adjustable Notebook Stand	
Keyboard/Pen/Dock	External	Pro Wireless Keyboard & Mouse	Thunderbolt Dock 120W G4	USB Keyboard	Surface Slim Pen 2
Keyboard/Pen/Dock	External	Premier Wireless Keyboard & Mouse	Wired Keyboard and Mouse Combo-655	Keyboard and Mouse Combo	
Keyboard/Pen/Dock	External		Wireless Mouse-285	Wireless Keyboard and Mouse Combo	
Keyboard/Pen/Dock	External		Rechargeable Active Pen	USB-C 7-in-1 Hub	
Removable Storage	USB DVD+/-RW	USB DVD+/-RW - DW316	USB DVD+/-RW	USB DVD+/-RW	
Battery (Additional)	Battery Additional			Go USB-C Laptop Power Bank	
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	
Power (Additional)	AC Adapter	USB-C 65W AC Adapter	USB-C 65W Power Adapter	USB-C 65W Standard AC Adapter	Surface 127W Power Supply
Power (Additional)	Auto/Air Adapter			USB-C 65W DC Travel Adapter	
Lock Kit	Lock Kit	Lock Kit	Nano Master Key Lock	Nanosaver Master Key Cable Lock	
Case	Nylon/Neoprene	Pro Briefcase 15	Prelude Pro 15.6Top Load	ThinkPad 15.6 inch Basic Top load	
Case	Leather	Premier Briefcase 15	14.1 Business Case		
Case	Ruggedized		Executive Backpack for 13 to 16.1 inch	ThinkPad Pro 15.6 inch Top load	
Case	Deluxe w/Wheels				

CONFIGURATION 13
14" SEMI-RUGGED LAPTOP

(MIL-STD-810G COMPLIANT)

COMPARISON

		Lenovo ThinkPad T14 Gen 4	**Dell Latitude 5430 Rugged**	**HP No Offering**	**Microsoft No Offering**
		$1,427.99	**$2,090.00**	**No Offering**	**No Offering**
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	5.5	3	4.35		
Display Size	14 inch FHD Wide Screen	14 Inch WUXGA Wide Screen	14 Inch FHD Widescreen		
Processor	Intel Core i5 1145G7 2.60GHz, 8M, 4 Core, 8 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1185G7 3.0GHz, 12M, 4 Core, 8 Thread		
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive		
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit		
RAM	16GB DDR4 non-ECC	16GB non-ECC	16GB non-ECC		
Hard Disk	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL		
Removable Storage					
Video Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics		
Web Camera	Front IR	Front IR	Front IR		
Sound	High Definition Audio	Realtek ALC3287	High Definition Audio		
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX		
Bluetooth Interface	5	5.1	5		
Biometrics	Yes		Fingerprint Reader		
Security	Intel vPro	Intel vPro	Intel vPro		
EnergyStar Level	7	8	7		
ePEAT Level	Bronze	Gold	Silver		
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)		
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement		
Mouse (Touchpad / Touchstick)		Touchpad	Touchpad		
Keyboard Type (Phys./Virt./# keys)		86 Keys	79 Keys		
RAM Maximum		32GB non-ECC	64GB non-ECC		
Media Card Slots			MicroSD		
USB Ports - Rear (2.0 / 3.0 / C)		3.2 (2) / TB4 (2)	3.0 (2) / C (1)		
Maximum Supported Video Resolution		2880 x 1800	1920 x 1080		
Serial Port (9pin, 16550)					
DisplayPort Out			1		
HDMI Out		1	1		
VGA Out					
Headphone/Speaker Line Out		1	1		
Accelerometer		Yes			
GPS position					
e-Compass		Yes			
Gyro		Yes			
Battery Type (Cell)		3 Cell	3 Cell		
Expected Battery life (Hours)		15	7.7		
Recharge Time (Hours)		1.25	1.3		
AC Adapter (Watts)		65	65		
Cable Lock Slot		Yes	Yes		
Acoustics (max. dB)		6	27		
Dimensions (inches W x D x H)		12.51 x 8.93 x 0.70	13.38 x 8.66 x 1.32		
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security	500nits Touchscree / ePrivacy	FHD Touchscreen Outdoor		
Display	FHD/Outdoor/Backlit/Security	300nits 2.2K Low Blue Light	Backlit Keyboard		
Display	FHD/Outdoor/Backlit/Security	400nits 2.8K OLED			
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC		
RAM	64GB non-ECC		64GB non-ECC		
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL		
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL		
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL		
Video Graphics	AMD / nVidia w/2GB				
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS	Gobi 4G			
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience		
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience		
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience		
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Docking Station			
Port Replicator	Port Replicator	USB-C Smart Docking Statoin			
Port Replicator	Port Replicator	USB-C Mini Dock			
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort		
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI		
Display Adapter	DisplayPort to HDMI		DisplayPort to HDMI		
Display Adapter	miniDisplayPort to DisplayPort		MiniDisplayPort to DisplayPort		
Display Adapter	miniDisplayPort to HDMI		MiniDisplayPort to HDMI		
Display Adapter	Wireless				
Stand	Laptop/Monitor	2-in1 Laptop Stand			
Stand	Laptop/Monitor	Portable Aluminum Laptop Stand			
Stand	Laptop/Monitor	Adjustable Notebook Stand			
Keyboard/Pen/Dock	External	USB Keyboard	Pro Wireless Keyboard & Mouse		
Keyboard/Pen/Dock	External	Keyboard and Mouse Combo	Premier Wireless Keyboard & Mouse		
Keyboard/Pen/Dock	External	Wireless Keyboard and Mouse Combo			
Keyboard/Pen/Dock	External	USB-C 7-in-1 Hub			
Removable Storage	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW - DW316		
Battery (Additional)	Battery Additional	Go USB-C Laptop Power Bank	3 Cell 51 wHr Express Charge Battery		
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet	USB-C to Ethernet		
Power (Additional)	AC Adapter	USB-C 65W Standard AC Adapter			
Power (Additional)	Auto/Air Adapter	USB-C 65W DC Travel Adapter			
Lock Kit	Lock Kit	Nanosaver Master Key Cable Lock	Lock Kit		
Case	Nylon/Neoprene	ThinkPad 15.6 inch Basic Top load	EcoLoop Pro Briefcase 15		
Case	Leather				
Case	Ruggedized	ThinkPad Pro 15.6 inch Top load	Rugged Escape Backpack		
Case	Deluxe w/Wheels				

CONFIGURATION 14
15" BUSINESS LAPTOP COMPARISON

		HP EliteBook 650 G10	Lenovo ThinkPad L15 Gen 4	Dell Latitude 5540	Microsoft No Offering
		$1,299.00	**$1,394.99**	**$1,453.34**	**No Offering**
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	5	3.83	3.91	3.56	
Display Size	15 inch FHD Wide Screen	15.6 Inch FHD Wide Screen	15.6 Inch FHD Wide Screen	15.6 Inch FHD Wide Screen	
Processor	Intel Core i5 1350P 1.90GHz, 12M, 12 Core, 16Thread	Intel Core i5 1350P 1.90GHz, 12M, 12 Core, 16 Thread	Intel Core i5 1350P 1.90GHz, 12M, 12Core, 16 Thread	Intel Core i5 1350P 1.90GHz, 12M, 12 Core, 16Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	
RAM	16GB DDR4 non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	
Hard Disk	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	
Removable Storage					
Video Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	
Web Camera	Front IR	Front IR	Front IR	Front IR	
Sound	High Definition Audio	Bang & Olufsen	Realtek ALC3287	High Definition Audio	
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	
Bluetooth Interface	5	5.2	5.1	5	
Biometrics	Yes	Yes	Yes	Fingerprint Reader	
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	8	8	7	
ePEAT Level	Bronze	Gold	Gold	Gold	
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	
Battery Warranty	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	
Mouse (Touchpad / Touchstick)		Touchpad	Touchpad	Touchpad	
Keyboard Type (Phys./Virt./# keys)		101 Keys	101 Keys	89 Keys	
RAM Maximum		64GB non-ECC	64GB non-ECC	64GB non-ECC	
Media Card Slots			MicroSD	UltraSD	
USB Ports - Rear (2.0 / 3.0 / C)		3.1 (3) / C (1)	3.2 (2) / C (1) / TB4 (1)	3.0 (2) / C (2)	
Maximum Supported Video Resolution		1920 x 1080	5120 x 3200	1920 x 1080	
Serial Port (9pin, 16550)					
DisplayPort Out				1	
HDMI Out		1	1	1	
VGA Out					
Headphone/Speaker Line Out		1	1	1	
Accelerometer			Yes		
GPS position			0		
e-Compass			Yes		
Gyro			Yes		
Battery Type (Cell)		3 Cell	3 Cell	3 Cell	
Expected Battery life (Hours)		15	12	9.1	
Recharge Time (Hours)		1	1.25	1.35	
AC Adapter (Watts)		65	65	65	
Cable Lock Slot		Yes	Yes	Yes	
Acoustics (max. dB)		4.2	6	21	
Dimensions (inches W x D x H)		14.15 x 9.2 x 0.78	14.18 x 9.33 x 0.78	14.1 x 9.19 x 0.82	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security	FHD Touchscreen	FHD Touchscreen	FHD Touchscreen	
Display	FHD/Outdoor/Backlit/Security	400 Nits WUXGA		Backlit Keyboard	
Display	FHD/Outdoor/Backlit/Security				
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM	64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
Video Graphics	AMD / nVidia w/2GB		nVidia GeForce MX550 w/2GB	nVidia GeForce MX 550 w/2GB	
Video Graphics	AMD / nVidia w/4GB				
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS	Intel XMM 7560R+ LTE	Gobi 4G	Intel XMM 7560R eSIM	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Essential Dock G5 65W	USB-C Docking Station	USB-C Docking Station 180W - WD19S	
Port Replicator	Port Replicator	USB-C Dock G5	USB-C Smart Docking Statoin	Thunderbolt Docking Station 180W - WD22TB4	
Port Replicator	Port Replicator	Multiport Hub Universal USB-C	USB-C Mini Dock		
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	
Display Adapter	DisplayPort to HDMI	DisplayPort to HDMI		DisplayPort to HDMI	
Display Adapter	miniDisplayPort to DisplayPort			MiniDisplayPort to DisplayPort	
Display Adapter	miniDisplayPort to HDMI			MiniDisplayPort to HDMI	
Display Adapter	Wireless				
Stand	Laptop/Monitor		2-in1 Laptop Stand		
Stand	Laptop/Monitor		Portable Aluminum Laptop Stand		
Stand	Laptop/Monitor		Adjustable Notebook Stand		
Keyboard/Pen/Dock	External	Thunderbolt Dock 120W G4	USB Keyboard	Pro Wireless Keyboard & Mouse	
Keyboard/Pen/Dock	External	Wired Keyboard and Mouse Combo-320MK	Keyboard and Mouse Combo	Premier Wireless Keyboard & Mouse	
Keyboard/Pen/Dock	External	Wired Mouse-125	Wireless Keyboard and Mouse Combo		
Keyboard/Pen/Dock	External		USB-C 7-in-1 Hub		
Removable Storage	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW - DW316	
Battery (Additional)	Battery Additional		Go USB-C Laptop Power Bank		
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	
Power (Additional)	AC Adapter	USB-C 65W Power Adapter	USB-C 65W Standard AC Adapter	USB-C 65W AC Adapter	
Power (Additional)	Auto/Air Adapter		USB-C 65W DC Travel Adapter		
Lock Kit	Lock Kit	Nano Single Key Lock	Nanosaver Master Key Cable Lock	Lock Kit	
Case	Nylon/Neoprene	Prelude Pro 15.6Top Load	ThinkPad 15.6 inch Basic Top load	Pro Briefcase 15	
Case	Leather	15.6 Business Top Load		Premier Briefcase 15	
Case	Ruggedized	Prelude Pro 15.6 Backpack	ThinkPad Pro 15.6 inch Top load		
Case	Deluxe w/Wheels				

CONFIGURATION 15
15" PERFORMANCE LAPTOP COMPARISON

		HP EliteBook 650 G10	Dell Latitude 5540	Microsoft Surface Laptop 5	Lenovo ThinkPad T16 Gen 2
		$1,535.00	**$1,622.00**	**$1,732.75**	**$1,801.99**
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	5	3.83	3.56	3.44	3.84
Display Size	15 inch FHD Wide Screen	15.6 Inch FHD Wide Screen	15.6 Inch FHD Wide Screen	15 Inch FHD Touchscreen	16 Inch WUXGA Wide Screen
Processor	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread	Intel Core i7 1265U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit
RAM	16GB DDR4 non-ECC	16GB non-ECC	16GB non-ECC	16GB DDR4 non-ECC	16GB non-ECC
Hard Disk	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL
Removable Storage					
Video Graphics	AMD / nVidia w/2GB	Intel Iris Xe Graphics	nVidia GeForce MX 550 w/2GB	Intel Iris Xe Graphics	nVidia GeForce MX550 w/2GB
Web Camera	Front IR	Front IR	Front IR	Front IR	Front IR
Sound	High Definition Audio	Bang & Olufsen	High Definition Audio	Dolby Atmos	Realtek ALC3287
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	802.11 AX	Intel 802.11 AX
Bluetooth Interface	5	5.2	5	5	5.1
Biometrics	Yes	Yes	Fingerprint Reader		Yes
Security	Intel vPro	Intel vPro	Intel vPro		Intel vPro
EnergyStar Level	7	8	7	8	8
ePEAT Level	Bronze	Gold	Gold	Gold	Gold
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Replacement (Accidental Damage)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)
Battery Warranty	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement
Mouse (Touchpad / Touchstick)		Touchpad	Touchpad	Trackpad / Touchscreen	Touchpad
Keyboard Type (Phys./Virt./# keys)		101 Keys	89 Keys	86 Keys	101 Keys
RAM Maximum		64GB non-ECC	64GB non-ECC	32GB non-ECC	40GB non-ECC
Media Card Slots			UltraSD		
USB Ports - Rear (2.0 / 3.0 / C)		3.1 (3) / C (1)	3.0 (2) / C (2)	3.1 (1) / C (1)	3.2 (2) / TB4 (2)
Maximum Supported Video Resolution		1920 x 1080	1920 x 1080	3840 x 2160	3840 x 2400
Serial Port (9pin, 16550)					
DisplayPort Out			1		
HDMI Out		1	1		1
VGA Out					
Headphone/Speaker Line Out		1	1	1	1
Accelerometer				Yes	Yes
GPS position					
e-Compass					Yes
Gyro				Yes	Yes
Battery Type (Cell)		3 Cell	3 Cell	10 Cell	4 Cell
Expected Battery life (Hours)		15	9.1	16.5	10
Recharge Time (Hours)		1	1.35	2.5	1.25
AC Adapter (Watts)		65	65	65	65
Cable Lock Slot		Yes	Yes		Yes
Acoustics (max. dB)		4.2	21	35	6
Dimensions (inches W x D x H)		14.15 x 9.2 x 0.78	14.1 x 9.19 x 0.82	13.4 x 9.6 x 0.58	14.25 x 10.06 x 0.83
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security	FHD Touchscreen	FHD Touchscreen		300nits WUXGA Touchscreen
Display	FHD/Outdoor/Backlit/Security	400 Nits WUXGA	Backlit Keyboard		400nits WUXGA
Display	FHD/Outdoor/Backlit/Security				400nits WQUXGA OLED
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC / 1TB PCIe non-OPAL	32GB non-ECC
RAM	64GB non-ECC	64GB non-ECC	64GB non-ECC		
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL		1TB PCIe non-OPAL
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL		2TB PCIe non-OPAL
Video Graphics	AMD / nVidia w/4GB				nVidia GeForce RTX 2050 w/4GB
Video Graphics	AMD / nVidia w/6GB				
Video Graphics	AMD / nVidia w/8GB				
Video Graphics	AMD / nVidia w/16GB				
Broadband (Built-in)	Gobi w/A-GPS	Intel XMM 7560R+ LTE	Intel XMM 7560R eSIM		Gobi 4G
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	0	3 Yr. Absolute Resilience
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	0	4 Yr. Absolute Resilience
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	0	5 Yr. Absolute Resilience
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Essential Dock G5 65W	USB-C Docking Station 180W - WD19S	Surface Dock 2	USB-C Docking Station
Port Replicator	Port Replicator	USB-C Dock G5	Thunderbolt Docking Station 180W - WD22TB4	Surface Travel Hub	USB-C Smart Docking Statoin
Port Replicator	Port Replicator	Multiport Hub Universal USB-C		Surface Thunderbolt 4 Dock	USB-C Mini Dock
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort		USB-C to DisplayPort
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI		USB-C to HDMI
Display Adapter	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI		
Display Adapter	miniDisplayPort to DisplayPort		MiniDisplayPort to DisplayPort		
Display Adapter	miniDisplayPort to HDMI		MiniDisplayPort to HDMI		
Display Adapter	Wireless				
Stand	Laptop/Monitor				2-in1 Laptop Stand
Stand	Laptop/Monitor				Portable Aluminum Laptop Stand
Stand	Laptop/Monitor				Adjustable Notebook Stand
Keyboard/Pen/Dock	External	Thunderbolt Dock 120W G4	Pro Wireless Keyboard & Mouse	Surface Pen - Silver	USB Keyboard
Keyboard/Pen/Dock	External	Wired Keyboard and Mouse Combo-655	Premier Wireless Keyboard & Mouse		Keyboard and Mouse Combo
Keyboard/Pen/Dock	External	USB Travel Mouse			Wireless Keyboard and Mouse Combo
Keyboard/Pen/Dock	External				USB-C 7-in-1 Hub
Removable Storage	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW - DW316		USB DVD+/-RW
Battery (Additional)	Battery Additional				Go USB-C Laptop Power Bank
Battery (Additional)	Battery Additional	USB-C to Ethernet	USB-C to Ethernet		USB-C to Ethernet
Network Adapter	USB to Ethernet 10/100/1000	USB-C 110W Power Adapter	USB-C 65W AC Adapter	Surface 65W Power Supply	USB-C 65W Standard AC Adapter
Power (Additional)	AC Adapter				USB-C 65W DC Travel Adapter
Power (Additional)	Auto/Air Adapter	Nano Master Key Lock	Lock Kit		Nanosaver Master Key Cable Lock
Lock Kit	Lock Kit	Prelude Pro 15.6Top Load	Pro Briefcase 15		ThinkPad 15.6 inch Basic Top load
Case	Nylon/Neoprene	15.6 Business Top Load	Premier Briefcase 15		
Case	Leather	Executive Backpack for 13 to 16.1 inch			ThinkPad Pro 15.6 inch Top load
Case	Ruggedized				
Case	Deluxe w/Wheels				

CONFIGURATION 16
16" PERFORMANCE LAPTOP COMPARISON

		Dell Precision 5680	HP Zbook Fury 16 G10	Lenovo ThinkPad P1 Gen 6	Microsoft No Offering
		$2,295.30	$2,439.00	$2,526.99	No Offering
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	7.5	4.2	5.2	4.11	
Display Size	17 inch FHD Wide Screen	16 Inch FHD Wide Screen	16 inch WUXGA Wide Screen	16 Inch WUXGA Wide Screen	
Processor	Intel Core i7 13800H 2.50GHz, 24M, 14 Core, 20 Thread	Intel Core i7 13800H 2.50GHz, 24M, 14 Core, 20 Thread	Intel Core i7 13800H 2.10GHz, 30M, 20 Core, 24 Thread	Intel Core i7 13800H 2.50GHz, 24M, 14 Core, 20 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Disk Drive	Boot to Hard Drive	
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	
RAM	16GB DDR3 non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	
Hard Disk	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Removable Storage					
Video Graphics	AMD / nVidia w/4GB	nVidia RTX A1000 w/6GB	nVidia RTX A1000 w/6GB	nVidia RTX A1000 w/6GB	
Web Camera	Front IR	Front IR	Front IR	Front IR	
Sound	High Definition Audio	High Definition Audio	Bang & Olufsen	Realtek ALC3306	
Network Interface					
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	
Bluetooth Interface	5	5	5.3	5.1	
Biometrics	Yes	Fingerprint Reader	Yes	Yes	
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	7	8	8	
ePEAT Level	Bronze	Gold	Gold	Gold	
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement	
Mouse (Touchpad / Touchstick)		Touchpad	Touchpad / Touchstick	Touchpad	
Keyboard Type (Phys./Virt./# keys)		99 Keys	101 Keys	101 Keys	
RAM Maximum		64GB non-ECC	128GB non-ECC	96GB non-ECC	
Media Card Slots		SD	SD	SD	
USB Ports - Rear (2.0 / 3.0 / C)		C (3)	3.1 (2) / C (2)	3.2 (2) / TB4 (2)	
Maximum Supported Video Resolution		3840 x 2160	4096 x 2304	7680 x 4320	
Serial Port (9pin, 16550)					
DisplayPort Out		1			
HDMI Out		1	1	1	
VGA Out					
Headphone/Speaker Line Out		1	1	1	
Accelerometer				Yes	
GPS position					
e-Compass				Yes	
Gyro				Yes	
Battery Type (Cell)		6 Cell	8 Cell	4 Cell	
Expected Battery life (Hours)		9.8	10.25	10	
Recharge Time (Hours)		1.6	1	1.25	
AC Adapter (Watts)		165	150	170	
Cable Lock Slot		Yes	Yes	Yes	
Acoustics (max. dB)		21	13.8	6	
Dimensions (inches W x D x H)		13.92 x 9.46 x 0.87	14.3 x 9.8 x 1.09	14.15 x 9.99 x 0.69	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security	OLED Touchscreen	WLED UXGA 1000Nit	500nits WQUXGA	
Display	FHD/Outdoor/Backlit/Security		OLED WQUXGA Touchscreen	400nits WQUXGA OLED Touschreen	
Display	FHD/Outdoor/Backlit/Security				
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM	64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
Video Graphics	AMD / nVidia w/6GB		nVidia RTX A2000 w/8GB		
Video Graphics	AMD / nVidia w/8GB	nVidia RTX 3500 w/12GB	nVidia RTX 3500 w/12GB	nVidia GeForce RTX 4060 w/8GB	
Video Graphics	AMD / nVidia w/16GB		nVidia RTX 5000 w/16GB	nVidia GeForce RTX 4090 w/16GB	
Broadband (Built-in)	Gobi w/A-GPS		Intel XMM 7560R+ LTE Advanced Pro	Gobi 4G	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Docking Station 180W - WD19S	USB-C Essential Dock G5 65W	ThinkPad Workstation Thunderbolt Dock	
Port Replicator	Port Replicator	Thunderbolt Docking Station 180W - WD22TB4	USB-C Dock G5		
Port Replicator	Port Replicator		Multiport Hub Universal USB-C		
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	
Display Adapter	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI		
Display Adapter	miniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort			
Display Adapter	miniDisplayPort to HDMI	MiniDisplayPort to HDMI			
Display Adapter	Wireless				
Stand	Laptop/Monitor			2-in1 Laptop Stand	
Stand	Laptop/Monitor			Portable Aluminum Laptop Stand	
Stand	Laptop/Monitor			Adjustable Notebook Stand	
Keyboard/Pen/Dock	External	Pro Wireless Keyboard & Mouse	Thunderbolt Dock 280W G4	USB Keyboard	
Keyboard/Pen/Dock	External	Premier Wireless Keyboard & Mouse	Wirless Keyboard and Mouse Combo-950MK	Keyboard and Mouse Combo	
Keyboard/Pen/Dock	External		Wireless Premium Keyboard	Wireless Keyboard and Mouse Combo	
Keyboard/Pen/Dock	External		Wireless Premium Mouse	USB-C 7-in-1 Hub	
Removable Storage	USB DVD+/-RW	USB DVD+/-RW - DW316	USB DVD+/-RW	USB DVD+/-RW	
Battery (Additional)	Battery Additional		0	Go USB-C Laptop Power Bank	
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet	USB to Ethernet 10/100/1000	USB-C to Ethernet	
Power (Additional)	AC Adapter	USB-C 130W AC Adapter	Zbook 230W Slim Smart AC Adapter	ThinkPad 230W AC Adapter	
Power (Additional)	Auto/Air Adapter				
Lock Kit	Lock Kit	Lock Kit	Nano Single Key Lock	Nanosaver Master Key Cable Lock	
Case	Nylon/Neoprene	Pro Backpack 17	Renew Business 17.3 inch Laptop Bag	ThinkPad 15.6 inch Basic Top load	
Case	Leather		Renew Business 17.3 inch Laptop Backpack		
Case	Ruggedized			ThinkPad Pro 15.6 inch Top load	
Case	Deluxe w/Wheels				

CONFIGURATION 17
16" WORKSTATION LAPTOP COMPARISON

		Lenovo ThinkPad P16 Gen 2	HP Zbook Fury 16 G10	Dell Precision 7680	Microsoft No Offering
		$2,416.99	$2,430.00	$2,564.10	No Offering
Features	**Base Specifications**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (.lbs. including battery)	7.5	6.5	5.2	5.75	
Display Size	16 inch FHD Wide Screen	16 Inch WUXGA Wide Screen	16 inch WUXGA Wide Screen	16 inch FHD Wide Screen	
Processor	Intel Core i9 13950HX 2.20GHz, 36M, 24 Core, 32 Thread	Intel Core i9 13950HX 2.20GHz, 36M, 24 Core, 32 Thread	Intel Core i9 13950HX 2.20GHz, 36M, 24 Core, 32 Thread	Intel Core i9 13950HX 2.20GHz, 36M, 24 Core, 32 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	
RAM	16GB ECC	16GB ECC	16GB ECC	16GB ECC	
Hard Disk	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Removable Storage					
Video Graphics	AMD / nVidia w/4GB	Intel Arc Pro A30M w/4GB	nVidia RTX A1000 w/6GB	nVidia RTX A1000 w/6GB	
Web Camera	Front IR	Front IR	Front IR	Front IR	
Sound	High Definition Audio	Realtek ALC3306	Bang & Olufsen	High Definition Audio	
Network Interface		Ethernet - RJ45			
Broadband Interface					
Wireless Interface	802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	
Bluetooth Interface	5	5.1	5.3	5	
Biometrics	Yes	Yes	Yes	Fingerprint Reader	
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	8	8	7	
ePEAT Level	Bronze	Gold	Gold	Gold	
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	4 Year; 1 Time Replacement	3 Year; 1 Time Replacement	
Mouse (Touchpad / Touchstick)		Touchpad	Touchpad / Touchstick	Touchpad	
Keyboard Type (Phys./Virt./# keys)		101 Keys	101 Keys	109 Keys	
RAM Maximum		192GB non-ECC	128GB non-ECC	64GB ECC	
Media Card Slots		SD	SD	SD	
USB Ports - Rear (2.0 / 3.0 / C)		3.2 (2) / C (1) / TB4 (2)	3.1 (2) / C (2)	3.2 (2) / C (3)	
Maximum Supported Video Resolution		3840 x 2640	4096 x 2304	3840 x 2160	
Serial Port (9pin, 16550)					
DisplayPort Out					
HDMI Out		1	1	1	
VGA Out					
Headphone/Speaker Line Out		1	1	1	
Accelerometer		Yes		Yes	
GPS position					
e-Compass		Yes			
Gyro		Yes			
Battery Type (Cell)		6 Cell	8 Cell	6 Cell	
Expected Battery life (Hours)		10	10.25	9.3	
Recharge Time (Hours)		1.25	1	1.6	
AC Adapter (Watts)		170	150	180	
Cable Lock Slot		Yes	Yes	Yes	
Acoustics (max. dB)		6	13.8	21	
Dimensions (inches W x D x H)		14.3 x 10.5 x 1.2	14.3 x 9.8 x 1.09	14.02 x 10.18 x 1.09	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Display	FHD/Outdoor/Backlit/Security	WLED UXGA 1000nits	WLED UXGA 1000Nit	UHD WVA Touchscreen	
Display	FHD/Outdoor/Backlit/Security	OLED WQUXGA Touchscreen	OLED WQUXGA Touchscreen	Backlit Keyboard	
Display	FHD/Outdoor/Backlit/Security				
RAM	32GB ECC	32GB ECC	32GB ECC	32GB ECC	
RAM	64GB ECC	64GB ECC	64GB ECC	64GB ECC	
RAM	128GB ECC	128GB ECC	128GB ECC		
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
2nd Solid State Drive	2TB PCIe non-OPAL				
Video Graphics	AMD / nVidia w/6GB	nVidia RTX A2000 w/8GB	nVidia RTX A2000 w/8GB		
Video Graphics	AMD / nVidia w/8GB	nVidia RTX 3500 w/12GB	nVidia RTX 3500 w/12GB	nVidia RTX 3500 w/12GB	
Video Graphics	AMD / nVidia w/16GB	nVidia RTX 5000 w/16GB	nVidia RTX 5000 w/16GB		
Broadband (Built-in)	Gobi w/A-GPS	Intel XMM 7560 R+ LTE-Advanced Pro	Intel XMM 7560R+ LTE Advanced Pro		
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Port Replicator	Port Replicator	USB-C Docking Station	USB-C Essential Dock G5 65W	USB-C Docking Station 180W - WD19S	
Port Replicator	Port Replicator	USB-C Smart Docking Statoin	USB-C Dock G5		
Port Replicator	Port Replicator	USB-C Mini Dock	Multiport Hub Universal USB-C		
Display Adapter	USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	
Display Adapter	USB to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	
Display Adapter	DisplayPort to HDMI		DisplayPort to HDMI	DisplayPort to HDMI	
Display Adapter	miniDisplayPort to DisplayPort			MiniDisplayPort to DisplayPort	
Display Adapter	miniDisplayPort to HDMI			MiniDisplayPort to HDMI	
Display Adapter	Wireless				
Stand	Laptop/Monitor	2-in1 Laptop Stand			
Stand	Laptop/Monitor	Portable Aluminum Laptop Stand			
Stand	Laptop/Monitor	Adjustable Notebook Stand			
Keyboard/Pen/Dock	External	USB Keyboard	Thunderbolt Dock 280W G4	Pro Wireless Keyboard & Mouse	
Keyboard/Pen/Dock	External	Keyboard and Mouse Combo	Wirless Keyboard and Mouse Combo-950MK	Premier Wireless Keyboard & Mouse	
Keyboard/Pen/Dock	External	Wireless Keyboard and Mouse Combo	Wireless Premium Keyboard		
Keyboard/Pen/Dock	External	USB-C 7-in-1 Hub	Wireless Premium Mouse		
Removable Storage	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW - DW316	
Battery (Additional)	Battery Additional	Go USB-C Laptop Power Bank			
Network Adapter	USB to Ethernet 10/100/1000	USB-C to Ethernet	USB to Ethernet 10/100/1000	USB-C to Ethernet	
Power (Additional)	AC Adapter	USB-C 65W Standard AC Adapter	Zbook 230W Slim Smart AC Adapter	USB-C 130W AC Adapter	
Power (Additional)	Auto/Air Adapter	USB-C 65W DC Travel Adapter			
Lock Kit	Lock Kit	Nanosaver Master Key Cable Lock	Nano Single Key Lock	Lock Kit	
Case	Nylon/Neoprene	ThinkPad 15.6 inch Basic Top load	Renew Business 17.3 inch Laptop Bag	Pro Backpack 17	
Case	Leather		Renew Business 17.3 inch Laptop Backpack		
Case	Ruggedized	ThinkPad Pro 15.6 inch Top load			
Case	Deluxe w/Wheels				

DELL LAPTOPS

Sterling Computers
MA-IS-2440129

	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10	CONFIGURATION 11	CONFIGURATION 12	CONFIGURATION 13	CONFIGURATION 14	CONFIGURATION 15	CONFIGURATION 16	CONFIGURATION 17
	10" TABLET	10" SEMI-RUGGED TABLET	12" CHROMEBOOK	12" CONVERTIBLE BUSINESS LAPTOP	12" CONVERTIBLE PERFORMANCE LAPTOP	12" 2-IN-1 BUSINESS TABLET	12" 2-IN-1 PERFORMANCE TABLET	14" CHROMEBOOK	14" BUSINESS LAPTOP	14" PERFORMANCE LAPTOP	14" 2-IN-1 BUSINESS TABLET	14" 2-IN-1 PERFORMANCE TABLET	14" SEMI-RUGGED LAPTOP	15" BUSINESS LAPTOP	15" PERFORMANCE LAPTOP	16" PERFORMANCE LAPTOP	16" WORKSTATION LAPTOP
Model	**Latitude 7320**	**Latitude 7230 Rugged**	**Latitude 5430 Chrome**	**Latitude 5340 2-in-1**	**Latitude 5340 2-in-1**	**No Offering**	**No Offering**	**Latitude 5430 Chrome**	**Latitude 5440**	**Latitude 5440**	**Latitude 7440 2-in-1**	**Latitude 7440 2-in-1**	**Latitude 5430 Rugged**	**Latitude 5540**	**Latitude 5540**	**Precision 5680**	**Precision 7680**
Cost	**$1,338.75**	**$2,305.55**	**$871.50**	**$1,270.75**	**$1,612.00**	**No Offering**	**No Offering**	**$974.15**	**$1,403.60**	**$1,604.60**	**$1,646.00**	**$1,854.80**	**$2,090.00**	**$1,453.34**	**$1,622.00**	**$2,295.30**	**$2,564.10**
Features	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**	**Product Details**
Weight (lbs. including battery)	1.7	2.78	3.34	2.97	2.97			3.34	3.06	3.06	3.37	3.37	4.35	3.56	3.56	4.2	5.75
Display Size	13 inch FHD Touchscreen	12 inch FHD Touchscreen	14 inch FHD	13.3 inch FHD Touchscreen	13.3 inch FHD Touchscreen			14 inch FHD Wide Screen	14 inch FHD Wide Screen	14 inch FHD Wide Screen	14 inch FHD Touchscreen	14 inch FHD Touchscreen	14 inch FHD Widescreen	15.6 inch FHD Wide Screen	15.6 inch FHD Wide Screen	16 inch FHD Wide Screen	16 inch FHD Wide Screen
Processor	Intel Core i5 1140G7 1.80GHz, 8M, 4 Core, 8 Thread	Intel Core i5 1240U 1.10GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1245U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread			Intel Core i7 7255U 1.70GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1350P 1.90GHz, 12M, 12 Core, 16 Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Cores, 20 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1185G7 3.0GHz, 12M, 4 Core, 8 Thread	Intel Core i5 1350P 1.90GHz, 12M, 12 Core, 16Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread	Intel Core i7 13800H 2.50GHz, 24M, 14 Core, 20 Thread	Intel Core i9 13950HX 2.20GHz, 36M, 24 Core, 32 Thread
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive			Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Disk Drive
Operating System	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Chrome	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit			Chrome	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit
RAM	16GB non-ECC	16GB non-ECC	8GB non-ECC	16GB non-ECC	16GB non-ECC			8GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB ECC	16GB non-ECC	16GB ECC
Hard Disk	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL			256GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL
Removable Storage																	
Video Graphics	Intel Iris Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics			Intel Iris Xe Graphics	Intel Iris Xe Graphics	nVidia GeForce MX550 w/2GB	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	nVidia GeForce MX 550 w/2GB	nVidia RTX A1000 w/6GB	nVidia RTX A1000 w/6GB
Web Camera	Front IR	Front IR / Rear	Front	Front IR	Front IR			Front	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio			High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio
Network Interface																	
Broadband Interface																	
Wireless Interface	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX			Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX
Bluetooth Interface	5.2	5.2	5.2	5	5			5	5	5	5	5	5	5	5	5	5
Biometrics	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader			Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader	Fingerprint Reader
Security	Intel vPro	Intel vPro		Intel vPro	Intel vPro				Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro
EnergyStar Level	7	7	8	7	7			8	7	7	7	7	7	7	7	7	7
ePEAT Level	Gold	Gold	Silver	Gold	Gold			Silver	Gold	Gold	Gold	Gold	Silver	Gold	Gold	Gold	Gold
Main Warranty	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)			4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)
Battery Warranty	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement			3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement	3 Year 1 Time Replacement
Mouse (Touchpad / Touchstick)	Touchscreen	Touchscreen	Touchscreen / Touchpad	Touchscreen / Touchpad	Touchscreen / Touchpad			Touchpad	Touchpad	Touchpad	Touchscreen / Touchpad	Touchscreen / Touchpad	Touchpad	Touchpad	Touchpad	Touchpad	Touchpad
Keyboard Type (Phys./Virt./lit keys)	79 Virtual	79 Virtual	74 Keys	79 Keys	79 Keys			74 Keys	79 Keys	79 Keys	79 Keys	79 Keys	79 Keys	89 Keys	89 Keys	99 Keys	109 Keys
RAM Maximum	16GB non-ECC	32GB non-ECC	16GB non-ECC	32GB non-ECC	32GB non-ECC			16GB non-ECC	64GB non-ECC	64GB non-ECC	32GB non-ECC	32GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB ECC
Media Card Slots		MicroSD	SD					SD					MicroSD	UltraSD	UltraSD	SD	SD
USB Ports - Rear (2.0 / 3.0 / C)	C (2)	3.1 (1) / C (2)	3.2 (1) / C (2)	3.0 (2) / C (2)	3.0 (2) / C (2)			3.2 (1) / C (2)	3.0 (2) / C (2)	3.0 (2) / C (2)	3.0 (2) / C (2)	3.0 (2) / C (2)	3.0 (2) / C (1)	3.0 (2) / C (2)	3.0 (2) / C (2)	C (3)	3.2 (2) / C (3)
Maximum Supported Video Resolution	1920 x 1280	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080			1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160	3840 x 2160
Serial Port (9pin, 16550)																	
DisplayPort Out	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1
HDMI Out		1		1	1				1	1	1	1	1	1	1	1	1
VGA Out																	
Headphone/Speaker Line Out	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1
Accelerometer																	Yes
GPS position																	
e-Compass	Yes			Yes	Yes				Yes	Yes	Yes	Yes					
Gyro	Yes			Yes	Yes				Yes	Yes	Yes	Yes					
Battery Type (Cell)	2 Cell	2 Cell	4 Cell	3 Cell	3 Cell			4 Cell	3 Cell	3 Cell	3 Cell	3 Cell	3 Cell	3 Cell	3 Cell	6 Cell	6 Cell
Expected Battery life (Hours)	12.3	9.3	9.2	9.2	9.2			9.2	8.8	8.8	10.1	10.1	7.7	9.1	9.1	9.8	9.3
Recharge Time (Hours)	1.5	1.25	1.4	1.4	1.4			1.4	1.4	1.4	1.5	1.5	1.3	1.35	1.35	1.6	1.6
AC Adapter (Watts)	45	65	65	65	65			65	65	65	65	65	65	65	65	165	180
Cable Lock Slot	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acoustics (max. dB)	14	12	19	19	19			19	22	22	22	22	27	21	21	21	21
Dimensions (inches W x D x H)	11.35 x 8.18 x 0.33	11.65 x 7.99 x 0.94	12.36 x 9.15 x 0.72	12.36 x 9.15 x .075	12.36 x 9.15 x .075			12.36 x 9.15 x 0.72	12.65 x 8.35 x 0.75	12.65 x 8.35 x 0.75	12.32 x 8.77 x 0.72	12.32 x 8.77 x 0.72	13.38 x 8.66 x 1.32	14.1 x 9.19 x 0.82	14.1 x 9.19 x 0.82	13.92 x 9.46 x 0.87	14.02 x 10.18 x 1.09
UPGRADE OPTIONS (to be ordered at initial purchase)																	
Display - FHD/Outdoor/Backlit/Security			FHD Touchscreen	Backlight Keyboard	Backlight Keyboard			FHD Touchscreen	FHD Touchscreen	FHD Touchscreen			FHD Touchscreen Outdoor	FHD Touchscreen	FHD Touchscreen	OLED Touchscreen	UHD WVA Touchscreen
Display - FHD/Outdoor/Backlit/Security			Backlit Keyboard					Backlit Keyboard	Backlit Keyboard	Backlit Keyboard	Backlit Keyboard	Backlit Keyboard	Backlit Keyboard	Backlit Keyboard	Backlit Keyboard		Backlit Keyboard
Display - FHD/Outdoor/Backlit/Security																	
Op. System - Chrome Ent. Mgmt. - 1Yr Lic.			Chrome Ent. Mgmt. 1Yr. Lic					Chrome Ent. Mgmt. 1Yr. Lic									
RAM - 8GB non-ECC																	
RAM - 16GB non-ECC			16GB non-ECC					16GB non-ECC									
RAM - 32GB non-ECC		32GB non-ECC		32GB non-ECC	32GB non-ECC				32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM - 64GB non-ECC									64GB non-ECC	64GB non-ECC			64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	
RAM - 32GB ECC																	32GB ECC
RAM - 64GB ECC																	64GB ECC
RAM - 128GB ECC																	
Solid State Drive - 64GB eMMC non-OPAL																	
Solid State Drive - 64GB PCIe non-OPAL																	
Solid State Drive - 128GB PCIe non-OPAL																	
Solid State Drive - 256GB PCIe non-OPAL																	
Solid State Drive - 512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL				512GB PCIe non-OPAL	512GB PCIe non-OPAL		512GB PCIe non-OPAL		512GB PCIe non-OPAL	512GB PCIe non-OPAL			
Solid State Drive - 1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL		1TB PCIe non-OPAL	1TB PCIe non-OPAL				1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL		
Solid State Drive - 2TB PCIe non-OPAL				2TB PCIe non-OPAL	2TB PCIe non-OPAL				2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL
2nd Solid State Drive - 2TB PCIe non-OPAL																	
Video Graphics - AMD / nVidia w2GB									nVidia GeForce MX550 w/2GB					nVidia GeForce MX 550 w/2GB			
Video Graphics - AMD / nVidia w4GB																	
Video Graphics - AMD / nVidia w6GB																	
Video Graphics - AMD / nVidia w8GB																nVidia RTX 3500 w/12GB	nVidia RTX 3500 w/12GB
Video Graphics - AMD / nVidia w16GB																	
Broadband (Built-in) - Gobi w/A-GPS				Intel XMM 7560R eSIM	Intel XMM 7560R eSIM				Intel XMM 7560R eSIM	Intel XMM 7560R eSIM				Intel XMM 7560R eSIM	Intel XMM 7560R eSIM		
Security - 3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience			3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience
Security - 4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience			4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience
Security - 5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience			5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)																	
Port Replicator - Port Replicator	WD19S 130W		USB-C Docking Station 130W - WD19S	USB-C Docking Station 130W - WD19S	USB-C Docking Station 130W - WD19S			USB-C Docking Station 130W - WD19S	USB-C Docking Station 180W - WD19S	USB-C Docking Station 180W - WD19S	USB-C Docking Station 180W - WD19S	USB-C Docking Station 180W - WD19S		USB-C Docking Station 180W - WD19S	USB-C Docking Station 180W - WD19S	USB-C Docking Station 180W - WD19S	USB-C Docking Station 180W - WD19S
Port Replicator - Port Replicator	USB-C 7-in-1 Multiport Adapter - DA310							USB-C Docking Station 180W - WD19S	Thunderbolt Docking Station 180W - WD22TB4	Thunderbolt Docking Station 180W - WD22TB4	Thunderbolt Docking Station 180W - WD22TB4	Thunderbolt Docking Station 180W - WD22TB4		Thunderbolt Docking Station 180W - WD22TB4	Thunderbolt Docking Station 180W - WD22TB4	Thunderbolt Docking Station 180W - WD22TB4	
Port Replicator - Port Replicator	USB-C Dual Docking Station 90W - HD22Q																
Display Adapter - USB to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort			USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort
Display Adapter - USB to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI			USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI
Display Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI			DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI
Display Adapter - miniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort			MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort	MiniDisplayPort to DisplayPort
Display Adapter - miniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI			MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI	MiniDisplayPort to HDMI
Display Adapter - Wireless																	
Stand - Laptop/Monitor		Rugd Rugged Extreme															
Stand - Laptop/Monitor		Rotating Hand Strap															
Stand - Laptop/Monitor																	
Keyboard/Pen/Dock - External	Pro Wireless Keyboard & Mouse	Rugged Extreme	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse			Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse	Pro Wireless Keyboard & Mouse
Keyboard/Pen/Dock - External	Premier Wireless Keyboard & Mouse	Passive Pen	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse			Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse	Premier Wireless Keyboard & Mouse
Keyboard/Pen/Dock - External	Detactable Travel Keyboard																
Keyboard/Pen/Dock - External	Active Pen (PNT32DA)																
Removable Storage - USB DVD+/-RW	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316			USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316	USB DVD+/-RW - DW316
Battery (Additional) - Battery Additional													3 Cell 51 wHr Express Charge Battery				
Network Adapter - USB to Ethernet 10/100/1000	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet			USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet
Power (Additional) - AC Adapter	USB-C 65W AC Adapter	USB-C 100W AC Adapter	USB-C 65W AC Adapter	USB-C 65W AC Adapter	USB-C 65W AC Adapter			USB-C 65W AC Adapter	USB-C 65W AC Adapter	USB-C 65W AC Adapter	USB-C 65W AC Adapter	USB-C 65W AC Adapter		USB-C 65W AC Adapter	USB-C 65W AC Adapter	USB-C 130W AC Adapter	USB-C 130W AC Adapter
Power (Additional) - Auto/Air Adapter																	
Lock Kit - Lock Kit	Lock Kit		Lock Kit	Lock Kit	Lock Kit			Lock Kit	Lock Kit	Lock Kit	Lock Kit	Lock Kit	Lock Kit	Lock Kit	Lock Kit	Lock Kit	Lock Kit
Case - Nylon/Neoprene	Pro Sleeve 14	Laptop Carry Case Rugged	Pro Briefcase 15	Pro Slim Briefcase 15	Pro Slim Briefcase 15			Pro Briefcase 15	Pro Briefcase 15	Pro Briefcase 15	Pro Briefcase 15	Pro Briefcase 15	EcoLoop Pro Briefcase 15	Pro Briefcase 15	Pro Briefcase 15	Pro Backpack 17	Pro Backpack 17
Case - Leather									Premier Briefcase 15	Premier Briefcase 15	Premier Briefcase 15	Premier Briefcase 15		Premier Briefcase 15	Premier Briefcase 15		
Case - Ruggedized		Rugged Escape Backpack											Rugged Escape Backpack				
Case - Deluxe w/Wheels																	

HP LAPTOPS

Golden Star Technology MA-IS-2440130	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10	CONFIGURATION 11	CONFIGURATION 12	CONFIGURATION 13	CONFIGURATION 14	CONFIGURATION 15	CONFIGURATION 16	CONFIGURATION 17
	10" TABLET	10" SEMI-RUGGED TABLET	12" CHROMEBOOK	12" CONVERTIBLE BUSINESS LAPTOP	12" CONVERTIBLE PERFORMANCE LAPTOP	12" 2-IN-1 BUSINESS TABLET	12" 2-IN-1 PERFORMANCE TABLET	14" CHROMEBOOK	14" BUSINESS LAPTOP	14" PERFORMANCE LAPTOP	14" 2-IN-1 BUSINESS TABLET	14" 2-IN-1 PERFORMANCE TABLET	14" SEMI-RUGGED LAPTOP	15" BUSINESS LAPTOP	15" PERFORMANCE LAPTOP	16" PERFORMANCE LAPTOP	16" WORKSTATION LAPTOP
Model	No Offering	No Offering	Elite C640 G3	EliteBook x360 830 G10	EliteBook x360 830 G10	No Offering	No Offering	Elite C640 G3	EliteBook 640 G10	EliteBook 640 G10	EliteBook x360 1040 G10	EliteBook x360 1040 G10	No Offering	EliteBook 650 G10	EliteBook 650 G10	Zbook Fury 16 G10	Zbook Fury 16 G10
Cost	No Offering	No Offering	$983.00	$1,458.00	$1,666.00	No Offering	No Offering	$1,144.00	$1,250.00	$1,480.00	$1,652.00	$1,860.00	No Offering	$1,299.00	$1,535.00	$2,439.00	$2,430.00
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
Weight (.lbs. including battery)			3.35	2.87	2.87			3.35	3.11	3.11	2.94	2.94		1.83	3.83	5.2	5.2
Display Size			14 Inch FHD Wide Screen	13.3 Inch WUXGA Touchscreen	13.3 Inch WUXGA Touchscreen			14 Inch FHD Wide Screen	14 Inch FHD Wide Screen	14 Inch FHD Wide Screen	14 Inch FHD Touchscreen	14 Inch FHD Touchscreen		15.6 Inch FHD Wide Screen	15.6 Inch FHD Wide Screen	16 inch WUXGA Wide Screen	16 inch WUXGA Wide Screen
Processor			Intel Core i5 1245U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread			Intel Core i7 1265U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1350P 1.60GHz, 12M, 12 Core, 16 Thread	Intel Core i7 1370P 1.80GHz, 12M, 14 Core, 20 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread		Intel Core i5 1350P 1.90GHz, 12M, 12 Core, 16 Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread	Intel Core i7 13800H 2.10GHz, 30M, 20 Core, 24 Thread	Intel Core i9 13950HX 2.20GHz, 36M, 24 Core, 32 Thread
BIOS Configuration			Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive			Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive		Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System			Chrome	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit			Chrome	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit		Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit
RAM			8GB non-ECC	16GB non-ECC	16GB non-ECC			16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC		16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB ECC
Hard Disk			256GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL			256GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL		256GB PCIe non-OPAL	512GB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL
Removable Storage																	
Video Graphics			Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics			Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics		Intel Iris Xe Graphics	Intel Iris Xe Graphics	nVidia RTX A1000 w/6GB	nVidia RTX A1000 w/6GB
Web Camera			Front IR	Front IR	Front IR			Front IR	Front IR	Front IR	Front IR	Front IR		Front IR	Front IR	Front IR	Front IR
Sound			Bang & Olufsen	Bang & Olufsen	Bang & Olufsen			Bang & Olufsen	Bang & Olufsen	Bang & Olufsen	Bang & Olufsen	Bang & Olufsen		Bang & Olufsen	Bang & Olufsen	Bang & Olufsen	Bang & Olufsen
Network Interface																	
Broadband Interface																	
Wireless Interface			Intel 802.11 AX	Intel 802.11 AX	Intel 802 11 AX			Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX		Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX
Bluetooth Interface			5.3	5.2	5.2			5.3	5.2	5.2	5.2	5.2		5.2	5.2	5.3	5.3
Biometrics				Yes	Yes				Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes
Security				Intel vPro	Intel vPro				Intel vPro	Intel vPro	Intel vPro	Intel vPro		Intel vPro	Intel vPro	Intel vPro	Intel vPro
EnergyStar Level			7	8	8			7	8	8	8	8		8	8	8	8
ePEAT Level			Gold	Gold	Gold			Gold	Gold	Gold	Gold	Gold		Gold	Gold	Gold	Gold
Main Warranty			4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)			4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)		4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)
Battery Warranty			4 Year, 1 Time Replacement	4 Year, 1 Time Replacement	4 Year, 1 Time Replacement			4 Year, 1 Time Replacement	4 Year, 1 Time Replacement	4 Year, 1 Time Replacement	4 Year, 1 Time Replacement	4 Year, 1 Time Replacement		4 Year, 1 Time Replacement	4 Year, 1 Time Replacement	4 Year, 1 Time Replacement	4 Year, 1 Time Replacement
Mouse (Touchpad / Touchstick)			Touchpad	Touchscreen / Touchpad	Touchscreen / Touchpad			Touchpad	Touchpad	Touchpad	Touchscreen / Touchpad	Touchscreen / Touchpad		Touchpad	Touchpad	Touchpad / Touchstick	Touchpad / Touchstick
Keyboard Type (Phys./Virt./lit keys)			83 Keys	83 Keys	83 Keys			83 Keys	85 Keys	85 Keys	83 Keys	83 Keys		101 Keys	101 Keys	101 Keys	101 Keys
RAM Maximum			16GB non-ECC	32GB non-ECC	32GB non-ECC			16GB non-ECC	64GB non-ECC	64GB non-ECC	32GB non-ECC	32GB non-ECC		64GB non-ECC	64GB non-ECC	128GB non-ECC	128GB non-ECC
Media Card Slots			MicroSD	UltraSD	UltraSD			MicroSD			SD	SD				SD	SD
USB Ports - Rear (2.0 / 3.0 / C)			3.1 (2) / C (2)	3.1 (2) / C (2)	3.1 (2) / C (2)			3.1 (2) / C (2)	3.1 (3) / C (1)	3.1 (3) / C (1)	3.1 (1) / C (2)	3.1 (1) / C (2)		3.1 (3) / C (1)	3.1 (3) / C (1)	3.1 (2) / C (2)	3.1 (2) / C (2)
Maximum Supported Video Resolution			1920 108	3840 x 2160	3840 x 2160			1920 108	1920 x 1080	1920 x 1080	2560 x 1600	2560 x 1600		1920 x 1080	1920 x 1080	4096 x 2304	4096 x 2304
Serial Port (9pin, 16550)																	
DisplayPort Out																	
HDMI Out			1	1	1			1	1	1	1	1		1	1	1	1
VGA Out																	
Headphone/Speaker Line Out			1	1	1			1	1	1	1	1		1	1	1	1
Accelerometer				Yes	Yes						Yes	Yes					
GPS position																	
e-Compass				Yes	Yes						Yes	Yes					
Gyro				Yes	Yes						Yes	Yes					
Battery Type (Cell)			3 Cell	3 Cell	3 Cell			3 Cell	3 Cell	3 Cell	3 Cell	3 Cell		3 Cell	3 Cell	8 Cell	8 Cell
Expected Battery life (Hours)			12	22	22			12	15	15	17	17		15	15	10.25	10.25
Recharge Time (Hours)			1.25	1	1			1.25	1	1	1	1		1	1	1	1
AC Adapter (Watts)			65	65	65			65	65	65	65	65		65	65	150	150
Cable Lock Slot			Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes
Acoustics (max. dB)			2.6	2.6	2.6			2.6	4.2	4.2	2.6	2.6		4.2	4.2	13.8	13.8
Dimensions (inches W x D x H)			12.8 x 8.07 x 0.65	11.81 x 8.51 x 0.76	11.81 x 8.51 x 0.76			12.8 x 8.07 x 0.65	11.81 x 8.51 x 0.76	11.81 x 8.51 x 0.76	12.43 x 8.89 x 0.71	12.43 x 8.89 x 0.71		14.15 x 9.2 x 0.78	14.15 x 9.2 x 0.78	14.3 x 9.8 x 1.09	14.3 x 9.8 x 1.09
UPGRADE OPTIONS (to be ordered at initial purchase)																	
Display - FHD/Outdoor/Backlit/Security			FHD Touchscreen	SureView Privacy Screen/Keyboard	SureView Privacy Screen/Keyboard			FHD Touchscreen	SureView Privacy Screen/Keyboard	SureView Privacy Screen/Keyboard	SureView Privacy Screen/Keyboard	SureView Privacy Screen/Keyboard		FHD Touchscreen	FHD Touchscreen	WLED UXGA 1000Nit	WLED UXGA 1000Nit
Display - FHD/Outdoor/Backlit/Security				400Nits WUXGA Touchscreen	400Nits WUXGA Touchscreen				FHD Touchscreen	FHD Touchscreen	400Nits WUXGA Touchscreen	400Nits WUXGA Touchscreen		400 Nits WUXGA	400 Nits WUXGA	OLED WQUXGA Touchscreen	OLED WQUXGA Touchscreen
Display - FHD/Outdoor/Backlit/Security									400Nits WUXGA	400Nits WUXGA							
Operating System - Chrome Ent. Mgmt. - 1Yr Lic.			Chrome Ent. Mgmt. Perpetual					Chrome Ent. Mgmt. Perpetual									
RAM - 8GB non-ECC																	
RAM - 16GB non-ECC			16GB non-ECC														
RAM - 32GB non-ECC				32GB non-ECC	32GB non-ECC				32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC		32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM - 64GB non-ECC									64GB non-ECC	64GB non-ECC				64GB non-ECC	64GB non-ECC	64GB non-ECC	
RAM - 32GB ECC																	32GB ECC
RAM - 64GB ECC																	64GB ECC
RAM - 128GB ECC																	128GB ECC
Solid State Drive - 64GB eMMC non-OPAL																	
Solid State Drive - 64GB PCIe non-OPAL																	
Solid State Drive - 128GB PCIe non-OPAL																	
Solid State Drive - 256GB PCIe non-OPAL																	
Solid State Drive - 512GB PCIe non-OPAL			512GB PCIe non-OPAL	512GB PCIe non-OPAL				512GB PCIe non-OPAL	512GB PCIe non-OPAL		512GB PCIe non-OPAL			512GB PCIe non-OPAL			
Solid State Drive - 1TB PCIe non-OPAL				1TB PCIe non-OPAL	1TB PCIe non-OPAL				1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL		1TB PCIe non-OPAL	1TB PCIe non-OPAL		
Solid State Drive - 2TB PCIe non-OPAL									2TB PCIe non-OPAL	2TB PCIe non-OPAL				2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL
2nd Solid State Drive - 2TB PCIe non-OPAL																	
Video Graphics - AMD / nVidia w/2GB																	
Video Graphics - AMD / nVidia w/4GB																	
Video Graphics - AMD / nVidia w/8GB																nVidia RTX A2000 w/8GB	nVidia RTX A2000 w/8GB
Video Graphics - AMD / nVidia w/8GB																nVidia RTX 3500 w/12GB	nVidia RTX 3500 w/12GB
Video Graphics - AMD / nVidia w/16GB																nVidia RTX 5000 w/16GB	nVidia RTX 5000 w/16GB
Broadband (Built-in) - Gobi w/A-GPS			Intel XMM 7360 LTE	Intel XMM 7560R+ LTE	Intel XMM 7560R+ LTE			Intel XMM 7360 LTE	Intel XMM 7560R+ LTE	Intel XMM 7560R+ LTE	Intel XMM 7560R+ LTE	Intel XMM 7560R+ LTE		Intel XMM 7560R+ LTE	Intel XMM 7560R+ LTE	Intel XMM 7560R+ LTE Advanced Pro	Intel XMM 7560R+ LTE Advanced Pro
Security - 3 Yr. Absolute Resilience			3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience			3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience		3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience
Security - 4 Yr. Absolute Resilience			4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience			4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience		4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience
Security - 5 Yr. Absolute Resilience			5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience			5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience		5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)																	
Port Replicator - Port Replicator			USB-C Essential Dock G5 65W	USB-C Essential Dock G5 65W	USB-C Essential Dock G5 65W			USB-C Essential Dock G5 65W	USB-C Essential Dock G5 65W	USB-C Essential Dock G5 65W	USB-C Essential Dock G5 65W	USB-C Essential Dock G5 65W		USB-C Essential Dock G5 65W	USB-C Essential Dock G5 65W	USB-C Essential Dock G5 65W	USB-C Essential Dock G5 65W
Port Replicator - Port Replicator			Multiport Hub Universal USB-C	USB-C Dock G5	USB-C Dock G5			Multiport Hub Universal USB-C	USB-C Dock G5	USB-C Dock G5	USB-C Dock G5	USB-C Dock G5		USB-C Dock G5	USB-C Dock G5	USB-C Dock G5	USB-C Dock G5
Port Replicator - Port Replicator				Multiport Hub Universal USB-C	Multiport Hub Universal USB-C				Multiport Hub Universal USB-C	Multiport Hub Universal USB-C	Multiport Hub Universal USB-C	Multiport Hub Universal USB-C		Multiport Hub Universal USB-C	Multiport Hub Universal USB-C	Multiport Hub Universal USB-C	Multiport Hub Universal USB-C
Display Adapter - USB to DisplayPort			USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort			USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort		USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort
Display Adapter - USB to HDMI			USB-C to HDMI	USB-C to HDMI	USB-C to HDMI			USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI		USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI
Display Adapter - DisplayPort to HDMI			DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI			DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI		DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI
Display Adapter - miniDisplayPort to DisplayPort																	
Display Adapter - miniDisplayPort to HDMI																	
Display Adapter - Wireless																	
Stand - Laptop/Monitor																	
Stand - Laptop/Monitor																	
Stand - Laptop/Monitor																	
Keyboard/Pen/Dock - External			Thunderbolt Dock 120W G4	Thunderbolt Dock G4 120W	Thunderbolt Dock G4 120W			Thunderbolt Dock 120W G4	Thunderbolt Dock 120W G4	Thunderbolt Dock 120W G4	Thunderbolt Dock 120W G4	Thunderbolt Dock 120W G4		Thunderbolt Dock 120W G4	Thunderbolt Dock 120W G4	Thunderbolt Dock 280W G4	Thunderbolt Dock 280W G4
Keyboard/Pen/Dock - External			Wired Keyboard and Mouse Combo	Wired Keyboard and Mouse Combo-225	Wired Keyboard and Mouse Combo-655			Wired Keyboard and Mouse Combo-225	Wired Keyboard and Mouse Combo-225	Wired Keyboard and Mouse Combo-320MK	Wired Keyboard and Mouse Combo-225	Wired Keyboard and Mouse Combo-655		Wired Keyboard and Mouse Combo-320MK	Wired Keyboard and Mouse Combo-655	Wireless Keyboard and Mouse Combo-950MK	Wireless Keyboard and Mouse Combo-950MK
Keyboard/Pen/Dock - External			Wireless Keyboard for Chromebook	Wireless Keyboard-405	Wireless Mouse-285			Wireless Keyboard for Chromebook	Wired Mouse-125	Wireless Keyboard-405	Wired Mouse-125	Wireless Mouse-285		Wired Mouse-125	USB Travel Mouse	Wireless Premium Keyboard	Wireless Premium Keyboard
Keyboard/Pen/Dock - External				USB Travel Mouse	Rechargeable Active Pen							Rechargeable Active Pen				Wireless Premium Mouse	Wireless Premium Mouse
Removable Storage - USB DVD+/-RW			USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW			USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW		USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW
Battery (Additional) - Battery Additional																	
Network Adapter - USB to Ethernet 10/100/1000			USB to Ethernet G2	USB to Ethernet G2	USB to Ethernet G2			USB to Ethernet G2	USB to Ethernet G2	USB to Ethernet G2	USB-C to Ethernet	USB-C to Ethernet		USB-C to Ethernet	USB-C to Ethernet	USB to Ethernet 10/100/1000	USB to Ethernet 10/100/1000
Power (Additional) - AC Adapter			USB-C 65W Power Adapter	USB-C 65W Power Adapter	USB-C 65W Power Adapter			USB-C 65W Power Adapter	USB-C 65W Power Adapter	USB-C 65W Power Adapter	USB-C 65W Power Adapter	USB-C 65W Power Adapter		USB-C 65W Power Adapter	USB-C 110W Power Adapter	Zbook 230W Slim Smart AC Adapter	Zbook 230W Slim Smart AC Adapter
Power (Additional) - Auto/Air Adapter																	
Lock Kit - Lock Kit			Nano Single Key Lock	Nano Single Key Lock	Nano Master Single Key Lock			Nano Single Key Lock	Nano Single Key Lock	Nano Master Key Lock	Nano Single Key Lock	Nano Master Key Lock		Nano Single Key Lock	Nano Master Key Lock	Nano Single Key Lock	Nano Single Key Lock
Case - Nylon/Neoprene			Prelude Pro 15.6Top Load	Prelude Pro 15.6Top Load	Prelude Pro 15.6Top Load			Prelude Pro 15.6Top Load	Prelude Pro 15.6Top Load	Prelude Pro 15.6Top Load	Prelude Pro 15.6Top Load	Prelude Pro 15.6Top Load		Prelude Pro 15.6Top Load	Prelude Pro 15.6Top Load	Renew Business 17.3 inch Laptop Bag	Renew Business 17.3 inch Laptop Bag
Case - Leather			14.1 Business Case	14.1 Business Case	14.1 Business Case			14.1 Business Case	14.1 Business Case	14.1 Business Case	14.1 Business Case	14.1 Business Case		15.6 Business Top Load	15.6 Business Top Load	Renew Business 17.3 inch Laptop Backpack	Renew Business 17.3 inch Laptop Backpack
Case - Ruggedized				Prelude Pro 15.6 Backpack	Executive Backpack for 13 to 16.1 inch			Prelude Pro 15.6 Backpack	Prelude Pro 15.6 Backpack	Executive Backpack for 13 to 16.1 inch	Prelude Pro 15.6 Backpack	Executive Backpack for 13 to 16.1 inch		Prelude Pro 15.6 Backpack	Executive Backpack for 13 to 16.1 inch		
Case - Deluxe w/Wheels																	

LENOVO LAPTOPS

Technology Integration Group MA-IS-2440131	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10	CONFIGURATION 11	CONFIGURATION 12	CONFIGURATION 13	CONFIGURATION 14	CONFIGURATION 15	CONFIGURATION 16	CONFIGURATION 17
	10" TABLET	10" SEMI-RUGGED TABLET	12" CHROMEBOOK	12" CONVERTIBLE BUSINESS LAPTOP	12" CONVERTIBLE PERFORMANCE LAPTOP	12" 2-IN-1 BUSINESS TABLET	12" 2-IN-1 PERFORMANCE TABLET	14" CHROMEBOOK	14" BUSINESS LAPTOP	14" PERFORMANCE LAPTOP	14" 2-IN-1 BUSINESS TABLET	14" 2-IN-1 PERFORMANCE TABLET	14" SEMI-RUGGED LAPTOP	15" BUSINESS LAPTOP	15" PERFORMANCE LAPTOP	16" PERFORMANCE LAPTOP	16" WORKSTATION LAPTOP
Model	No Offering	No Offering	Chromebook 100E Gen 4	ThinkPad L13 Yoga Gen 4	ThinkPad L13 Yoga Gen 4	ThinkPad X13 Yoga Gen 4	ThinkPad X13 Yoga Gen 4	14E Chromebook Gen 3	ThinkPad L14 Gen 4	ThinkPad T14 Gen 4	ThinkPad X1 Yoga Gen 8	ThinkPad X1 Yoga Gen 8	ThinkPad T14 Gen 4	ThinkPad L15 Gen 4	ThinkPad T16 Gen 2	ThinkPad P1 Gen 6	ThinkPad P16 Gen 2
Cost	No Offering	No Offering	$375.99	$1,427.99	$1,603.99	$1,757.99	$1,932.99	$537.99	$1,295.99	$1,647.99	$1,867.99	$2,086.99	$1,427.99	$1,394.99	$1,801.99	$2,526.99	$2,416.99
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
Weight (lbs. including battery)			2.71	2.92	2.92	2.66	2.66	3.3	3.09	3.08	3.04	3.04	3.4	3.91	3.84	4.11	6.5
Display Size			11.6 Inch HD Wide Screen	13.3 Inch WUXGA Touchscreen	13.3 Inch WUXGA Touchscreen	13.3 Inch WUXGA Touchscreen	13.3 Inch WUXGA Touchscreen	14 Inch FHD Wide Screen	14 Inch FHD Wide Screen	14 Inch FHD Wide Screen	14 Inch WUXGA Touchscreen	14 Inch WUXGA Touchscreen	14 Inch WUXGA Wide Screen	15.6 Inch FHD Wide Screen	16 Inch WUXGA Wide Screen	16 Inch WUXGA Wide Screen	16 Inch WUXGA Wide Screen
Processor			MediaTek MT8186 2.00GHz, 2M, 4 Core, 4 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel N200 1.00GHz, 6M, 4 Core, 4 Thread	Intel Core i5 1350P 1.90GHz , 12M, 12Core, 16 Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1365U 1.80GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1345U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i5 1350P 1.90GHz, 12M, 12Core, 16 Thread	Intel Core i7 1370P 1.80GHz, 24M, 14 Core, 20 Thread	Intel Core i7 13800H 2.50GHz, 24M, 14 Core, 20 Thread	Intel Core i9 13950HX 2.20GHz, 36M, 24 Core, 32 Thread
BIOS Configuration			Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System			Chrome	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Chrome	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit	Windows 11 Pro 64Bit
RAM			4GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	8GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB ECC
Hard Disk			32GB eMMC non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	64GB eMMC non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL
Removable Storage																	
Video Graphics			HD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	HD Graphics	Intel Iris Xe Graphics	nVidia GeForce MX550 w/2GB	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	nVidia GeForce MX550 w/2GB	nVidia RTX A1000 w/6GB	Intel Arc Pro A30M w/4GB
Web Camera			Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR	Front IR
Sound			High Definition Audio	Realtek ALC3287	Realtek ALC3287	Realtek ALC3287	Realtek ALC3287	Realtek ALC5682I	Realtek ALC3287	Realtek ALC3287	Realtek ALC3306	Realtek ALC3306	Realtek ALC3287	Realtek ALC3287	Realtek ALC3287	Realtek ALC3306	Realtek ALC3306
Network Interface									Ethernet - RJ45	Ethernet - RJ45			Ethernet - RJ45	Ethernet - RJ45	Ethernet - RJ45		Ethernet - RJ45
Broadband Interface																	
Wireless Interface			MediaTek 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX	Intel 802.11 AX
Bluetooth Interface			5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Biometrics									Yes	Yes					Yes	Yes	Yes
Security			Google Security Chip H1	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Google Security Chip H1	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro
EnergyStar Level			8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
ePEAT Level			Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold	Gold
Main Warranty			4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)	4 Year NBD Onsite (Accidental Damage, Keep Your HD)
Battery Warranty			3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement
Mouse (Touchpad / Touchstick)			Touchpad	Touchpad / Touchscreen	Touchpad / Touchscreen	Touchpad / Touchscreen	Touchpad / Touchscreen	Touchpad	Touchpad	Touchpad	Touchpad / Touchscreen	Touchpad / Touchscreen	Touchpad	Touchpad	Touchpad	Touchpad	Touchpad
Keyboard Type (Phys./Virt./# keys)			86 Keys	86 Keys	86 Keys	86 Keys	86 Keys	86 Keys	86 Keys	86 Keys	86 Keys	86 Keys	86 Keys	101 Keys	101 Keys	101 Keys	101 Keys
RAM Maximum			8GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	8GB non-ECC	64GB non-ECC	32GB non-ECC	64GB non-ECC	64GB non-ECC	32GB non-ECC	64GB non-ECC	40GB non-ECC	96GB non-ECC	192GB non-ECC
Media Card Slots														MicroSD		SD	SD
USB Ports - Rear (2.0 / 3.0 / C)			3.2 (2) / C (1)	3.2 (2) / C (1) / TB4 (1)	3.2 (2) / C (1) / TB4 (1)	3.2 (2) / TB4 (2)	3.2 (2) / TB4 (2)	3.2 (2) / C (1)	3.2 (2) / C (1) / TB4 (1)	3.2 (2) / TB4 (2)	3.2 (2) / TB4 (2)	3.2 (2) / TB4 (2)	3.2 (2) / TB4 (2)	3.2 (2) / C (1) / TB4 (1)	3.2 (2) / TB4 (2)	3.2 (2) / TB4 (2)	3.2 (2) / C (1) / TB4 (2)
Maximum Supported Video Resolution			1920 x 1080	5120 x 3200	5120 x 3200	3840 x 2640	3840 x 2640	1920 x 1080	5120 x 3200	2880 x 1800	3840 x 2640	3840 x 2640	2880 x 1800	5120 x 3200	3840 x 2400	7680 x 4320	3840 x 2640
Serial Port (9pin, 16550)																	
DisplayPort Out																	
HDMI Out			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VGA Out																	
Headphone/Speaker Line Out			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Accelerometer			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GPS position																	
e-Compass			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Gyro			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Battery Type (Cell)			3 Cell	4 Cell	4 Cell	4 Cell	4 Cell	3 Cell	3 Cell	3 Cell	4 Cell	4 Cell	3 Cell	3 Cell	4 Cell	4 Cell	6 Cell
Expected Battery life (Hours)			8	13	13	15	15	14	17	13	15	15	15	12	10	10	10
Recharge Time (Hours)			1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
AC Adapter (Watts)			65	65	65	65	65	65	65	65	65	65	65	65	65	170	170
Cable Lock Slot			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acoustics (max. dB)			5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Dimensions (inches W x D x H)			11.3 x 7.9 x 0.73	12.0 x 8.58 x 0.67	12.0 x 8.58 x 0.67	11.88 x 8.45 x 0.65	11.88 x 8.45 x 0.65	12.77 x 8.51 x 0.67	12.81 x 8.54 x 0.78	12.51 x 8.93 x 0.70	12.38 x 8.75 x 0.61	12.38 x 8.75 x 0.61	12.51 x 8.93 x 0.70	14.18 x 9.33 x 0.78	14.25 x 10.06 x 0.83	14.15 x 9.99 x 0.69	14.3 x 10.5 x 1.2
UPGRADE OPTIONS (to be ordered at initial purchase)																	
Display - FHD/Outdoor/Backlit/Security				400nits WUXGA Touchscreen	400nits WUXGA Touchscreen	300nits WUXGA Touchscreen	300nits WUXGA Touchscreen	FHD Touchscreen	FHD Touchscreen	500nits Touchscree / ePrivacy	400nits Touchscreen	400nits Touchscreen	500nits Touchscree / ePrivacy	FHD Touchscreen	300nits WUXGA Touchscreen	500nits WQUXGA	WLED UXGA 1000nits
Display - FHD/Outdoor/Backlit/Security						400nits WUXGA Touchscreen	400nits WUXGA Touchscreen		400nits FHD	300nits 2.2K Low Blue Light	500nits WQUXGA OLED Touchscreen	500nits WQUXGA OLED Touchscreen	300nits 2.2K Low Blue Light		400nits WUXGA	400nits WQUXGA OLED Touschscreen	OLED WQUXGA Touchscreen
Display - FHD/Outdoor/Backlit/Security										400nits 2.8K OLED	500nits WQUXGA / ePrivacy	500nits WQUXGA / ePrivacy	400nits 2.8K OLED		400nits WQUXGA OLED		
Operating System - Chrome Ent. Mgmt. - 1Yr Lic.			Chrome Ent. Mgmt. 1Yr. Lic.					Chrome Ent. Mgmt. 1Yr. Lic.									
RAM - 8GB non-ECC			8GB non-ECC														
RAM - 16GB non-ECC																	
RAM - 32GB non-ECC				32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC		32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM - 64GB non-ECC									64GB non-ECC		64GB non-ECC	64GB non-ECC		64GB non-ECC		64GB non-ECC	
RAM - 32GB ECC																	32GB ECC
RAM - 64GB ECC																	64GB ECC
RAM - 128GB ECC																	128GB ECC
Solid State Drive - 64GB eMMC non-OPAL			64GB eMMC non-OPAL														
Solid State Drive - 64GB PCIe non-OPAL																	
Solid State Drive - 128GB PCIe non-OPAL																	
Solid State Drive - 256GB PCIe non-OPAL																	
Solid State Drive - 512GB PCIe non-OPAL				512GB PCIe non-OPAL		512GB PCIe non-OPAL			512GB PCIe non-OPAL		512GB PCIe non-OPAL		512GB PCIe non-OPAL	512GB PCIe non-OPAL			
Solid State Drive - 1TB PCIe non-OPAL				1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL		1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL		
Solid State Drive - 2TB PCIe non-OPAL						2TB PCIe non-OPAL	2TB PCIe non-OPAL		2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL
2nd Solid State Drive - 2TB PCIe non-OPAL																	
Video Graphics - AMD / nVidia w/2GB									nVidia GeForce MX550 w/2GB					nVidia GeForce MX550 w/2GB			
Video Graphics - AMD / nVidia w/4GB															nVidia GeForce RTX 2050 w/4GB		
Video Graphics - AMD / nVidia w/6GB																	nVidia RTX A2000 w/8GB
Video Graphics - AMD / nVidia w/8GB																nVidia GeForce RTX 4060 w/8GB	nVidia RTX 3500 w/12GB
Video Graphics - AMD / nVidia w/16GB																nVidia GeForce RTX 4090 w/16GB	nVidia RTX 5000 w/16GB
Broadband (Built-in) - Gobi w/A-GPS			Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Gobi 4G	Intel XMM 7560 R+ LTE-Advanced Pro
Security - 3 Yr. Absolute Resilience			3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience
Security - 4 Yr. Absolute Resilience			4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience
Security - 5 Yr. Absolute Resilience			5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)																	
Port Replicator - Port Replicator				USB-C Docking Station	USB-C Docking Station	USB-C Docking Station	USB-C Docking Station		USB-C Docking Station	USB-C Docking Station	USB-C Docking Station	USB-C Docking Station	USB-C Docking Station	USB-C Docking Station	USB-C Docking Station	ThinkPad Workstation Thunderbolt Dock	ThinkPad Workstation Thunderbolt Dock
Port Replicator - Port Replicator				USB-C Smart Docking Staioin	USB-C Smart Docking Staioin	USB-C Smart Docking Staioin	USB-C Smart Docking Staioin		USB-C Smart Docking Staioin	USB-C Smart Docking Staioin	USB-C Smart Docking Staioin	USB-C Smart Docking Staioin	USB-C Smart Docking Staioin	USB-C Smart Docking Staioin	USB-C Smart Docking Staioin		
Port Replicator - Port Replicator				USB-C Mini Dock	USB-C Mini Dock	USB-C Mini Dock	USB-C Mini Dock		USB-C Mini Dock	USB-C Mini Dock	USB-C Mini Dock	USB-C Mini Dock	USB-C Mini Dock	USB-C Mini Dock	USB-C Mini Dock		
Display Adapter - USB to DisplayPort				USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort		USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort	USB-C to DisplayPort
Display Adapter - USB to HDMI				USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI		USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI	USB-C to HDMI
Display Adapter - DisplayPort to HDMI																	
Display Adapter - miniDisplayPort to DisplayPort																	
Display Adapter - miniDisplayPort to HDMI																	
Display Adapter - Wireless																	
Stand - Laptop/Monitor			2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand	2-in1 Laptop Stand
Stand - Laptop/Monitor			Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand	Portable Aluminum Laptop Stand
Stand - Laptop/Monitor			Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand	Adjustable Notebook Stand
Keyboard/Pen/Dock - External			USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard
Keyboard/Pen/Dock - External			Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo	Keyboard and Mouse Combo
Keyboard/Pen/Dock - External			Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo	Wireless Keyboard and Mouse Combo
Keyboard/Pen/Dock - External			USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub	USB-C 7-in-1 Hub
Removable Storage - USB DVD+/-RW			USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW	USB DVD+/-RW
Battery (Additional) - Battery Additional			Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank	Go USB-C Laptop Power Bank
Network Adapter - USB to Ethernet 10/100/1000			USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet	USB-C to Ethernet
Power (Additional) - AC Adapter			USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	USB-C 65W Standard AC Adapter	ThinkPad 230W AC Adapter	ThinkPad 230W AC Adapter
Power (Additional) - Auto/Air Adapter			USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter	USB-C 65W DC Travel Adapter		
Lock Kit - Lock Kit			Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock	Nanosaver Master Key Cable Lock
Case - Nylon/Neoprene			ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad 15.6 inch Basic Top load	ThinkPad Essential 16 inch Backpack
Case - Leather																	
Case - Ruggedized			ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Top load	ThinkPad Pro 15.6 inch Backpack
Case - Deluxe w/Wheels																	

MICROSOFT LAPTOPS

Zones LLC
MA-IS-2440132

	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10	CONFIGURATION 11	CONFIGURATION 12	CONFIGURATION 13	CONFIGURATION 14	CONFIGURATION 15	CONFIGURATION 16	CONFIGURATION 16
	10" TABLET	10" SEMI-RUGGED TABLET	12" CHROMEBOOK	12" CONVERTIBLE BUSINESS LAPTOP	12" CONVERTIBLE PERFORMANCE LAPTOP	12" 2-IN-1 BUSINESS TABLET	12" 2-IN-1 PERFORMANCE TABLET	14" CHROMEBOOK	14" BUSINESS LAPTOP	14" PERFORMANCE LAPTOP	14" 2-IN-1 BUSINESS TABLET	14" 2-IN-1 PERFORMANCE TABLET	14" SEMI-RUGGED LAPTOP	15" BUSINESS LAPTOP	15" PERFORMANCE LAPTOP	16" PERFORMANCE LAPTOP	16" WORKSTATION LAPTOP
Model	No Offering	No Offering	No Offering	Surface Laptop Go 3	No Offering	Surface Pro 9	Surface Pro 9	No Offering	Surface Laptop 5	Surface Laptop 5	No Offering	Surface Laptop Studio 2	No Offering	No Offering	Surface Laptop 5	No Offering	No Offering
Cost	No Offering	No Offering	No Offering	$1,168.25	No Offering	$1,445.25	$1,770.50	No Offering	$1,478.75	$1,645.00	No Offering	$2,362.25	No Offering	No Offering	$1,732.75	No Offering	No Offering
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
Weight (Lbs. including battery)				2.45		1.94	1.94		2.84	2.84		4.37			3.44		
Display Size				12.4 inch FHD Touchscreen		13 inch FHD Touchscreen	13 inch FHD Touchscreen		13.5 Inch FHD Touchscreen	13.5 Inch FHD Touchscreen		14.4 Inch FHD Touchscreen			15 Inch FHD Touchscreen		
Processor				Intel Core i5 1235U 1.30GHz, 6M, 10 Core, 12 Thread		Intel Core i5 1245U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1265U 1.80GHz, 12M, 10 Core, 12 Thread		Intel Core i5 1245U 1.60GHz, 12M, 10 Core, 12 Thread	Intel Core i7 1265U 3.00Hz, 12M, 4 Core, 8 Thread		Intel Core i7 13700H 2.40GHz, 24, 14 Core, 20 Thread			Intel Core i7 1265U 1.80GHz, 12M, 10 Core, 12 Thread		
BIOS Configuration				Boot to Hard Drive		Boot to Hard Drive	Boot to Hard Drive		Boot to Hard Drive	Boot to Hard Drive		Boot to Hard Drive			Boot to Hard Drive		
Operating System				Windows 11 Pro 64Bit		Windows 11 Pro 64Bit	Windows 11 Pro 64Bit		Windows 11 Pro 64Bit	Windows 11 Pro 64Bit		Windows 11 Pro 64Bit			Windows 11 Pro 64Bit		
RAM				16GB DDR4 non-ECC		16GB DDR4 non-ECC	16GB DDR4 non-ECC		16GB DDR4 non-ECC	16GB DDR4 non-ECC		16GB DDR4 non-ECC			16GB DDR4 non-ECC		
Hard Disk				256GB PCIe non-OPAL		256GB PCIe non-OPAL	512GB PCIe non-OPAL		256GB PCIe non-OPAL	512GB PCIe non-OPAL		512GB PCIe non-OPAL			512GB PCIe non-OPAL		
Removable Storage																	
Video Graphics				Intel UHD Graphics		Intel Iris Xe Graphics	Intel Iris Xe Graphics		Intel Iris Xe Graphics	Intel Iris Xe Graphics		nVidia GeForce RTX 4050 w/6GB			Intel Iris Xe Graphics		
Web Camera				Front IR		Front IR	Front IR		Front IR	Front IR		Front IR			Front IR		
Sound				Dolby Atmos		Dolby Atmos	Dolby Atmos		Dolby Atmos	Dolby Atmos		Dolby Atmos			Dolby Atmos		
Network Interface																	
Broadband Interface																	
Wireless Interface				802.11 AX		802.11 AX	802.11 AX		802.11 AX	802.11 AX		802.11 AX			802.11 AX		
Bluetooth Interface				5.1		5.1	5.1		5	5		5.1			5		
Biometrics																	
Security																	
EnergyStar Level				8		8	8		8	8		8			8		
ePEAT Level				Gold		Gold	Gold		Gold	Gold		Gold			Gold		
Main Warranty				4 Year NBD Replacement (Accidental Damage)		4 Year NBD Replacement (Accidental Damage)	4 Year NBD Replacement (Accidental Damage)		4 Year NBD Replacement (Accidental Damage)	4 Year NBD Replacement (Accidental Damage)		4 Year NBD Replacement (Accidental Damage)			4 Year NBD Replacement (Accidental Damage)		
Battery Warranty				4 Year, 1 Time Replacement		4 Year, 1 Time Replacement	4 Year, 1 Time Replacement		4 Year, 1 Time Replacement	4 Year, 1 Time Replacement		4 Year, 1 Time Replacement			4 Year, 1 Time Replacement		
Mouse (Touchpad / Touchstick)				Touchscreen		Touchscreen	Touchscreen		Trackpad / Touchscreen	Trackpad / Touchscreen		Trackpad / Touchscreen			Trackpad / Touchscreen		
Keyboard Type (Phys./Virt./lit keys)				Virtual		Virtual	Virtual		86 Keys	86 Keys		79 Keys			85 Keys		
RAM Maximum				16GB non-ECC		32GB non-ECC	32GB non-ECC		32GB non-ECC	32GB non-ECC		64GB non-ECC			32GB non-ECC		
Media Card Slots																	
USB Ports - Rear (2.0 / 3.0 / C)				3.1 (1) / C (1)		C (2)	C (2)		3.1 (1) / C (1)	3.1 (1) / C (1)		3.1 (1) / C (2)			3.1 (1) / C (1)		
Maximum Supported Video Resolution				3840 x 2160		3840 x 2160	3840 x 2160		3840 x 2160	3840 x 2160		3840 x 2160			3840 x 2160		
Serial Port (9pin, 16550)																	
DisplayPort Out																	
HDMI Out																	
VGA Out																	
Headphone/Speaker Line Out				1		1	1		1	1		1			1		
Accelerometer				Yes		Yes	Yes		Yes	Yes		Yes			Yes		
GPS position																	
e-Compass																	
Gyro						Yes	Yes		Yes	Yes		Yes			Yes		
Battery Type (Cell)				4 Cell		4 Cell	4 Cell		10 Cell	10 Cell		6 Cell			10 Cell		
Expected Battery life (Hours)				13		15.5	15.5		16.5	16.5		19			16.5		
Recharge Time (Hours)				2.5		1.5	1.5		2.5	2.5		1.5			2.5		
AC Adapter (Watts)				39		65	65		65	65		65			65		
Cable Lock Slot																	
Acoustics (max. dB)				32		35	35		35	35		36			35		
Dimensions (inches W x D x H)				10.95 x 8.12 x 0.62		11.3 x 8.2 x 0.37	11.3 x 8.2 x 0.37		12.1 x 8.8 x 0.57	12.1 x 8.8 x 0.57		12.72 x 8.98 x 0.75			13.4 x 9.6 x 0.58		
UPGRADE OPTIONS (to be ordered at initial purchase)																	
Display - FHD/Outdoor/Backlit/Security																	
Display - FHD/Outdoor/Backlit/Security																	
Display - FHD/Outdoor/Backlit/Security																	
Operating System - Chrome Enterprise Mgmt.																	
RAM - 8GB non-ECC																	
RAM - 16GB non-ECC																	
RAM - 32GB non-ECC							32GB non-ECC / 1TB PCIe non-OPAL			32GB non-ECC		32GB non-ECC / 1TB PCIe non-OPAL / nVidia RTX 4050 w/6GB			32GB non-ECC / 1TB PCIe non-OPAL		
RAM - 64GB non-ECC												64GB non-ECC / 1TB PCIe non-OPAL / nVidia RTX 4050 w/8GB					
RAM - 32GB ECC																	
RAM - 64GB ECC																	
RAM - 128GB ECC																	
Solid State Drive - 64GB eMMC non-OPAL																	
Solid State Drive - 64GB PCIe non-OPAL																	
Solid State Drive - 128GB PCIe non-OPAL																	
Solid State Drive - 256GB PCIe non-OPAL																	
Solid State Drive - 512GB PCIe non-OPAL				512GB PCIe non-OPAL					512GB PCIe non-OPAL								
Solid State Drive - 1TB PCIe non-OPAL							1TB PCIe non-OPAL			1TB PCIe non-OPAL / 32GB non-ECC		1TB PCIe non-OPAL / 32GB non-ECC / nVidia RTX 2000 w/8GB					
Solid State Drive - 2TB PCIe non-OPAL												2TB PCIe non-OPAL / 64GB non-ECC / nVidia RTX 2000 w/8GB					
2nd Solid State Drive - 2TB PCIe non-OPAL																	
Video Graphics - AMD / nVidia w2GB																	
Video Graphics - AMD / nVidia w4GB																	
Video Graphics - AMD / nVidia w6GB																	
Video Graphics - AMD / nVidia w8GB												nVidia RTX 4000 w/8GB / 64GB non-ECC / 2TB non-OPAL						
Video Graphics - AMD / nVidia w16GB																	
Broadband (Built-in) - Gobi w/A-GPS																	
Security - 3 Yr. Absolute Resilience																	
Security - 4 Yr. Absolute Resilience																	
Security - 5 Yr. Absolute Resilience																	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)																	
Port Replicator - Port Replicator				Surface Dock 2		Surface Dock 2	Surface Dock 2		Surface Dock 2	Surface Dock 2		Surface Dock 2			Surface Dock 2		
Port Replicator - Port Replicator				Surface Travel Hub		Surface Travel Hub	Surface Travel Hub		Surface Travel Hub	Surface Travel Hub		Surface Travel Hub			Surface Travel Hub		
Port Replicator - Port Replicator						Surface Thunderbolt 4 Dock	Surface Thunderbolt 4 Dock		Surface Thunderbolt 4 Dock	Surface Thunderbolt 4 Dock		Surface Thunderbolt 4 Dock			Surface Thunderbolt 4 Dock		
Display Adapter - USB to DisplayPort																	
Display Adapter - USB to HDMI																	
Display Adapter - DisplayPort to HDMI																	
Display Adapter - miniDisplayPort to DisplayPort																	
Display Adapter - miniDisplayPort to HDMI																	
Display Adapter - Wireless																	
Stand - Laptop/Monitor																	
Stand - Laptop/Monitor																	
Stand - Laptop/Monitor																	
Keyboard/Pen/Dock - External						Surface Pro Signature Keyboard	Surface Pro Keyboard		Surface Pen - Silver	Surface Pen - Silver		Surface Slim Pen 2			Surface Pen - Silver		
Keyboard/Pen/Dock - External						Surface Slim Pen 2	Surface Slim Pen 2										
Keyboard/Pen/Dock - External						Surface Pro Sig. Keyboard w/Slim Pen 2	Surface Pro Sig. Keyboard w/Slim Pen 2										
Keyboard/Pen/Dock - External																	
Removable Storage - USB 8x DVD+/-RW																	
Battery (Additional) - Battery Additional																	
Network Adapter - USB to Ethernet 10/100/1000																	
Power (Additional) - AC Adapter				Surface 65W Power Supply		Surface 65W Power Supply	Surface 65W Power Supply		Surface 65W Power Supply	Surface 65W Power Supply		Surface 127W Power Supply			Surface 65W Power Supply		
Power (Additional) - Auto/Air Adapter																	
Lock Kit - Lock Kit																	
Case - Nylon/Neoprene																	
Case - Leather																	
Case - Ruggedized																	
Case - Deluxe w/Wheels																	

OPTIONAL SERVICES - LAPTOPS

SERVICE OPTIONS (to be ordered at initial purchase)

Optional Service	Specification
DESKTOP-LAPTOP Windows AutoPilot Registration	NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors. **All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.** Tasks to be provided prior to shipment of equipment include the following: 1) Harvest hardware IDs and register them in Microsoft Intune for Windows AutoPilot. 2) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format. 3) As directed by department, deliver two (2) devices after hardware ID harvest and registration for verification and acceptance, before proceeding with completing remaining devices.
DESKTOP-LAPTOP Windows AutoPilot Pre-Provisioning	NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors. **All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.** Tasks to be provided prior to shipment of equipment include the following: 1) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format. 2) ONLY upon notification by department or designated Tennant Group Manager, perform device connection and complete Windows AutoPilot provisioning. 3) As directed by department, deliver two (2) devices after Windows AutoPilot provisioning for verification and acceptance, before proceeding with completing remaining devices. 4) At direction of department, provide list of registered hardware IDs with date Windows AutoPilot provisioning completion in .CSV format.
DESKTOP-LAPTOP Windows AutoPilot Asset Tagging	Tasks to be provided prior to shipment of equipment include the following: 1) Affix asset tag to device as directed and/or provided by the department. 2) Enter asset tag into system BIOS as directed and/or provided by the department. 3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department. 4) Coordinate and oversee purchase deliveries as directed by department.
LAPTOP Windows AutoPilot Drop Ship	General County weekday peak hours are 9:00am to 3:00pm; Tuesday to Thursday All delivery/drop times shall be directed by ordering department. Tasks include the following: 1) Dropship individual devices to specific end-user address as directed by department. a) Package must be insured. b) Package delivery must require end-user identification and signature or as directed by department. i) Anyone at location may sign for device delivery. ii) Only specific individual may sign for device delivery. c) Proof of delivery (end-user identification/signature) for each dropship device must be provided along with invoice or as directed by department. 2) Coordinate and oversee each dropship according to department instructions.
DESKTOP-LAPTOP-MONITOR Asset Tagging	Tasks to be provided by 3rd party vendor prior to delivery of equipment include the following: 1) Affix asset tag to device as directed and/or provided by the department. 2) Enter asset tag into system BIOS as directed and provided by the department. 3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department. 4) Coordinate and oversee all purchase deliveries to a central department location.

OPTIONAL SERVICES - LAPTOPS

SERVICE OPTIONS (to be ordered at initial purchase)

Optional Service	Specification
DESKTOP-LAPTOP Imaging	Tasks to be provided by 3rd party prior to delivery of equipment include the following: 1) Image/install pre-software installation services using a Golden (certified) image/pre-software as provided by the department. a) 3rd Party to provide department an upload link and/or repository for certified image/pre-software. b) At direction of the department, 3rd Party to deliver two (2) devices after imaging to department for verification and acceptance, before proceeding with imaging remaining devices. 2) Coordinate and oversee all purchase deliveries to a central department location.
DESKTOP-LAPTOP-MONITOR Delivery w/Unpacking - WEEKDAY	General County weekday peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Deliver and unpack devices (removing all packing materials) to regional locations as directed by the department. 2) Coordinate and oversee all purchase deliveries to a central department location.
DESKTOP-LAPTOP-MONITOR Delivery w/Unpacking - WEEKEND	General County weekend peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Deliver and unpack devices (removing all packing materials) to regional locations as directed by the department. 2) Coordinate and oversee all purchase deliveries to a central department location.
DESKTOP-LAPTOP-MONITOR Staggered Delivery - WEEKDAY	General County weekday peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination). Department takes title/ownership at F.O.B. Destination. 2) Coordinate and oversee all purchase deliveries to regional locations as directed by the department.
DESKTOP-LAPTOP-MONITOR Staggered Delivery - WEEKEND	General County weekend peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination). Department takes title/ownership at F.O.B. Destination. 2) Coordinate and oversee all purchase deliveries to regional locations as directed by the department.
DESKTOP-LAPTOP-MONITOR Staggered Delivery w/Unpacking - WEEKDAY	General County weekday peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination). Department takes title/ownership at F.O.B. Destination. 2) Coordinate and oversee the purchase deliveries and unpacking of devices (removing all packing materials) to regional locations as directed by the department.
DESKTOP-LAPTOP-MONITOR Staggered Delivery w/Unpacking - WEEKEND	General County weekend peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination). Department takes title/ownership at F.O.B. Destination. 2) Coordinate and oversee the purchase deliveries and unpacking of devices (removing all packing materials) to regional locations as directed by the department.

OPTIONAL SERVICES - LAPTOPS

SERVICE OPTIONS (to be ordered at initial purchase)

Optional Service	Specification
DESKTOP-LAPTOP-MONITOR Install & Relocate - WEEKDAY	General County weekday peak hours are 9am to 3:30pm. All service times shall be dictated by ordering department. **Service for all Desktop and Laptop Configurations; Only for Monitor Configruations 1 through 16** Tasks to include the following: 1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material. 2) Disconnect and remove existing equipment to a temporary on-site location as directed by department. 3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department. 4) Boot up system and report any Operating System issues to department. 5) Coordinate and oversee all purchases deliveries to a central department location.
DESKTOP-LAPTOP-MONITOR Install & Relocate - WEEKEND	General County weekend peak hours are 9am to 3:30pm. All service times shall be dictated by ordering department. **Service for all Desktop and Laptop Configurations; Only for Monitor Configruations 1 through 16** Tasks to include the following: 1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material. 2) Disconnect and remove existing equipment to a temporary on-site location as directed by department. 3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department. 4) Boot up system and report any Operating System issues to department. 5) Coordinate and oversee all purchase deliveries to a central department location.
DESKTOP-LAPTOP Install & Relocate w/Data Sanitization - WEEKDAY	General County weekday peak hours are 9am to 3:30pm. All service times shall be dictated by ordering department. Tasks to include the following: 1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material. 2) Disconnect and remove existing equipment to a temporary on-site location as directed by department. A) Sanitize drive(s) according to DoD 5220.22-M standard or NIST SP800-88Rev1 standard and provide the department with a certificate certifying completion. i) Details for Certificate of Sanitization to be determined department and may include the following: Dept./County, Asset # of main device, media type, drive mfg., drive model, drive serial #, sanitization type, sanitization method(s), tool(s) used, name of person performing sanitization, position/title of person performing sanitization, date of sanitization, signature of person performing sanitization, verification method of sanitization, name of person performing verification, position/title of person performing verification, date of verification, signature of person performing verification. 3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department. 4) Boot up system and report any Operating System issues to department. 5) Coordinate and oversee all purchase deliveries to a central department location.

OPTIONAL SERVICES - LAPTOPS

SERVICE OPTIONS (to be ordered at initial purchase)

Optional Service	Specification
DESKTOP-LAPTOP Install & Relocate w/Data Sanitization - WEEKEND	General County weekend peak hours are 9am to 3:30pm. All service times shall be dictated by ordering department. Tasks to include the following: 1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material. 2) Disconnect and remove existing equipment to a temporary on-site location as directed by department. A) Sanitize drive(s) according to DoD 5220.22-M standard or NIST SP800-88Rev1 standard and provide the department with a certificate certifying completion. i) Details for Certificate of Sanitization to be determined department and may include the following: Dept./County, Asset # of main device, media type, drive mfg., drive model, drive serial #, sanitization type, sanitization method(s), tool(s) used, name of person performing sanitization, position/title of person performing sanitization, date of sanitization, signature of person performing sanitization, verification method of sanitization, name of person performing verification, position/title of person performing verification, date of verification, signature of person performing verification. 3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department. 4) Boot up system and report any Operating System issues to department. 5) Coordinate and oversee all purchase deliveries to a central department location.