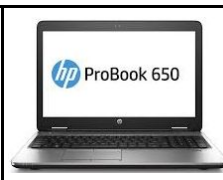


OVERALL LAPTOP COST COMPARISON

	CONFIGURATION 1 15" BUSINESS LAPTOP	CONFIGURATION 2 15" PERFORMANCE LAPTOP	CONFIGURATION 3 17" PERFORMANCE LAPTOP	CONFIGURATION 4 SEMI-RUGGED LAPTOP	CONFIGURATION 5 CONVERTIBLE LAPTOP	CONFIGURATION 6 2-IN-1 BUSINESS LAPTOP	CONFIGURATION 7 2-IN-1 PERFORMANCE LAPTOP	CONFIGURATION 8 8" TABLET	CONFIGURATION 9 10" TABLET
									
DELL	LATITUDE E5580	LATITUDE E5580	PRECISION 7720	LATITUDE 5414 RUGGED	LATITUDE 5289	LATITUDE E7480	LATITUDE E7280	LATITUDE 5175	LATITUDE 5175
EnPointe Technologies MA-IS-1740023	\$834.30	\$1,117.55	\$1,618.13	\$1,481.14	\$1,256.60	\$1,143.30	\$1,256.60	\$821.94	\$821.94
HP	PROBOOK 650 G2	ELITEBOOK 850 G3	ZBOOK 17 G3		ELITEBOOK X360 1030 G2	ELITEBOOK 820 G3	TEBOOK X360 1030	ELITE X2 1012 G1	ELITE X2 1012 G1
Golden Star Technology MA-IS-1740024	\$838.31	\$1,117.55	\$1,623.27		\$1,265.60	\$1,147.17	\$1,384.16	\$1,338.01	\$1,326.57
LENOVO	THINKPAD T570	THINKPAD T570	THINKPAD P70	THINKPAD L570	THINKPAD YOGA 260	THINKPAD YOGA 260	THINKPAD X1 YOGA 2		THINKPAD 10
Technology Integration Group MA-IS-1740028	\$838.31	\$1,204.15	\$1,650.00	\$1,007.25	\$1,265.28	\$1,265.28	\$1,377.20		\$632.12
MICROSOFT	SURFACE BOOK	SURFACE BOOK			SURFACE BOOK	SURFACE PRO 5	SURFACE PRO 5	SURFACE 3	SURFACE PRO 4
Technology Integration Group MA-IS-1740029	\$1,661.25	\$2,223.56			\$1,350.45	\$895.89	\$1,349.00	\$486.75	\$814.55

CONFIGURATION 1 15" BUSINESS LAPTOP COMPARISON



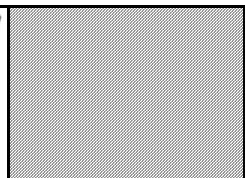
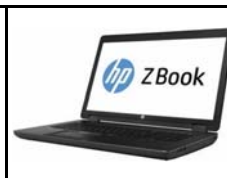
Make Model	BASE SPECIFICATIONS	DELL LATITUDE E5580	HP PROBOOK 650 G2	LENOVO THINKPAD T570	MICROSOFT SURFACE BOOK
Contract Cost		\$834.30	\$838.31	\$838.31	\$1,661.25
Weight (lbs.)	5 lbs. (including battery)	4.19	5.1	4.34	3.48
Display Size	15 inch Wide Screen	15.6 Inch HD	15.6 inch HD	15.6 inch HD	13.5 inch HD
Processor	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 7200U 2.50GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 7300U 2.60GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS
RAM Standard	4GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC	4GB DDR4 non-ECC	4GB DDR4 non-ECC	8GB DDR4 non-ECC
Hard Disk / Controller	250GB SATA 3.0Gb/s	250GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s	256GB Solid State	256GB Solid State
Removable Storage	8X DVD+-RW w/DVD Playback/Recording Software		8X DVD+-RW w/o DVD Playback/Recording Software		
Video Graphics	Intel® Graphics Media Accelerator HD	Intel® HD 620	Intel® Graphics Media Accelerator HD	Intel® Graphics HD 620	nVidia GeForce
Sound	High Definition Audio	High Definition Audio	High Definition Audio	Dolby Advanced Audio	Dolby Audio
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	
Wireless Interface	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC
Bluetooth Interface	4	4	4.2	4	
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	1Yr. Advanced Replacement
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	
Web Camera		Upgrade Option		Upgrade Option	Yes
RAM Maximum		16GB	16GB	32GB	16GB
DIMM Slots		2	2	2	2
PC Card Slot				ExpressCard	
Media Card Slots		SD Card	SD Card	SD Card	SD Card
SATA Port					
USB Ports (2.0 / 3.0)		0 / 3	0 / 2 / 1 3.0 Type C	0 / 3	0 / 2
Firewire Port					
Serial Port (9pin, 16550)					
VGA Out		Yes	Yes		
HDMI Out		Yes		Yes	
Display Port Out			Yes	Yes	Yes
Headphone/Speaker Line-out		Yes	Yes	Yes	Yes
Integrated Microphone		Yes	Yes	Yes	Yes
Accelerometer					Yes
GPS position					
e-Compass					
Gyro					
Battery Type (Cell)		4	3	3	4
Expected Battery Life (Hours)		11.5	10	15	12
Recharge Time (Hours)		3	1.5	2.5	4
AC Adapter (Watts)		65	65	45	36
Mouse (TouchPad / TouchStick)		TouchPad / TouchStick	TouchPad	TouchPad / TouchStick	TouchPad / TouchScreen
Keyboard Type (# of keys)		104	102	102	79
Cable Lock Slot		Yes	Yes	Yes	
EnergyStar Level	4	6.1	6	6.1	Unavailable
ePEAT Level	Silver	Gold	Gold	Gold	Unavailable
Acoustics (max. dB)		77	20	26	Unavailable
Dimensions (W x D x H)		14.8" x 9.9" x 0.9"	14.88" x 10.11" x 1.07"	14.98" x 10.16" x 0.88"	12.30" x 9.14" x 0.90"
UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE					
Display	Outdoor/HD/Backlit Display			Touchscreen	
RAM	8GB, 16GB	8GB, 16GB	8GB, 16GB	8GB, 16GB	
Solid State Drive	128GB, 160GB, 256GB, 300GB, 512GB, 1TB	128GB, 256GB, 512GB	128GB, 256GB, 512GB	128GB, 512GB	
Battery (Replacement)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell	4 Cell		6 Cell	
Broadband (Built-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS		Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	
Modem (Built-in)	56K v.92				
Biometrics (Built-in)	Fingerprint Reader	Yes	Yes	Yes	
Web Camera (Built-in)	Integrated	Yes		Yes	Included in Base Configuration
Security	Intel vPro	Yes		Included in Base Configuration	
Warranty - Additional Years	1Yr., 2Yrs., 3Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.
Security - Compliance BIOS Tracking	3Yrs., 4Yrs	3Yrs., 4Yrs.			
ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME					
Port Replicator	USB Based, Bus Based	USB Based, Bus Based	Bus Based, Bus Based	USB Based, Bus Based	USB Based
Display Adapter	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA		x to HDMI, x to VGA	x to HDMI, x to VGA, Wireless
Monitor Stand	Single VESA, Attachment/Dock	Monitor Stand, E-View Laptop Stand		Notebook/Monitor Stand	
External Keyboard/Dock	External Keyboard/Dock				
Removable Storage	USB 8x DVD+-RW, SATA w/DVD Playback/Recording Software	USB 8x DVD+-RW, SATA w/DVD Playback/Recording Software		USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software	
Battery (Additional)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell			6 Cell	
Network Interface	External Ethernet 10/100/1000	Yes			Yes
Broadband (Add-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS			Gobi Broadband w/A-GPS	
AC Adapter (Additional)	Yes	Yes	Yes	Yes	Yes
Auto/Air Adapter	Yes	Yes	Yes	Yes	
Case	Nylon/Neoprene, Leather, Ruggedized, Deluxe w/Wheels	Nylon/Neoprene	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	

CONFIGURATION 2 15" PERFORMANCE LAPTOP COMPARISON



Make Model	BASE SPECIFICATIONS	DELL LATITUDE E5580	HP ELITEBOOK 850 G3	LENOVO THINKPAD T570	MICROSOFT SURFACE BOOK
Contract Cost		\$1,117.55	\$1,117.55	\$1,204.15	\$2,223.56
Weight (lbs.)	5 lbs. (including battery)	4.19	5.1	4.34	3.48
Display Size	15 inch Wide Screen	15.6 Inch HD	15.6 inch HD	15.6 inch HD	13.5 inch HD
Processor	Intel® Core™ i7 6600U 2.60GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i7 7820HQ 2.90GHz, 8M, 4 Cores, 8 Threads	Intel® Core™ i7 6600U 2.60GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i7 7600U 2.50GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i7 6650U 2.20GHz, 4M, 2 Cores, 4 Threads
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS
RAM Standard	8GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC	8GB DDR4 non-ECC	8GB DDR4 non-ECC	16GB DDR4 non-ECC
Hard Disk / Controller	500GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s	512GB Solid State
Removable Storage	8X DVD+/-RW w/DVD Playback/Recording Software		8X DVD+/-RW w/o DVD Playback/Recording Software		
Video Graphics	Intel® Graphics Media Accelerator HD	Intel® HD 620	Intel® Graphics Media Accelerator HD	Intel® Graphics HD 620	nVidia GeForce
Sound	High Definition Audio	High Definition Audio	High Definition Audio	Dolby Advanced Audio	Dolby Audio
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	
Wireless Interface	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC
Bluetooth Interface	4	4	4.2	4	
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	1Yr. Advanced Replacement
Battery Warranty	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	3 Year; 1 Time Replacement	
Web Camera		Upgrade Option		Upgrade Option	Yes
RAM Maximum		16GB	16GB	32GB	16GB
DIMM Slots		2	2	2	2
PC Card Slot				ExpressCard	
Media Card Slots		SD Card Slot	SD Card	SD Card	SD Card
SATA Port					
USB Ports (2.0 / 3.0)		0 / 3	0 / 2 / 1 3.0 Type C	0 / 3	0 / 2
Firewire Port					
Serial Port (9pin, 16550)					
VGA Out		Yes	Yes		
HDMI Out		Yes		Yes	
Display Port Out			Yes	Yes	Yes
Headphone/Speaker Line-out		Yes	Yes	Yes	Yes
Integrated Microphone		Yes	Yes	Yes	Yes
Accelerometer					Yes
GPS position					
e-Compass					
Gyro					
Battery Type (Cell)		4	3	3	4
Expected Battery Life (Hours)		11.5	10	15	12
Recharge Time (Hours)		3	1.5	2.5	4
AC Adapter (Watts)		65	65	45	36
Mouse (TouchPad / TouchStick)		TouchPad / TouchStick	TouchPad	TouchPad / TouchStick	TouchPad / TouchScreen
Keyboard Type (# of keys)		104	102	102	79
Cable Lock Slot		Yes	Yes	Yes	
EnergyStar Level	4	6.1	6	6.1	Unavailable
ePEAT Level	Silver	Gold	Gold	Gold	Unavailable
Acoustics (max. dB)		77	20	26	Unavailable
Dimensions (W x D x H)		14.8" x 9.9" x 0.9"	14.88" x 10.11" x 1.07"	14.98" x 10.16" x 0.88"	12.30" x 9.14" x 0.90"
UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE					
Display	Outdoor/HD/Backlit Display			Touchscreen	
RAM	16GB	16GB	16GB	16GB	
Solid State Drive	128GB, 160GB, 256GB, 300GB, 512GB, 1TB	128GB, 256GB, 512GB	128GB, 256GB, 512GB	256GB, 512GB	
Battery (Replacement)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell	4 Cell		6 Cell	
Broadband (Built-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS		Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	
Modem (Built-in)	56K v.92				
Biometrics (Built-in)	Fingerprint Reader	Yes	Yes	Yes	
Web Camera (Built-in)	Integrated	Yes		Yes	Included in Base Configuration
Security	Intel vPro	Yes			Included in Base Configuration
Warranty - Additional Years	1Yr., 2Yrs., 3Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.
Security - Compliance BIOS Tracking	3Yrs., 4Yrs	3Yrs., 4Yrs.			
ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME					
Port Replicator	USB Based, Bus Based	USB Based, Bus Based	Bus Based, Bus Based	USB Based, Bus Based	USB Based
Display Adapter	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA		x to HDMI, x to VGA	x to HDMI, x to VGA, Wireless
Monitor Stand	Single VESA, Attachment/Dock	Monitor Stand, E-View Laptop Stand		Notebook/Monitor Stand	
External Keyboard/Dock	External Keyboard/Dock				
Removable Storage	USB 8x DVD+/-RW, SATA w/DVD Playback/Recording Software	USB 8x DVD+/-RW, SATA w/DVD Playback/Recording Software		USB 8x DVD+/-RW, SATA w/o DVD Playback/Recording Software	
Battery (Additional)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell			6 Cell	
Network Interface	External Ethernet 10/100/1000	Yes			Yes
Broadband (Add-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS			Gobi Broadband w/A-GPS	
AC Adapter (Additional)	Yes	Yes	Yes	Yes	Yes
Auto/Air Adapter	Yes	Yes	Yes	Yes	
Case	Nylon/Neoprene, Leather, Ruggedized, Deluxe w/Wheels	Nylon/Neoprene	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	

CONFIGURATION 3 17" PERFORMANCE LAPTOP COMPARISON



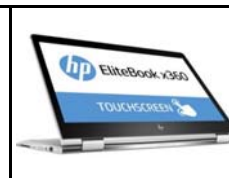
Make Model	BASE SPECIFICATIONS	DELL PRECISION 7720	HP ZBOOK 17 G3	LENOVO THINKPAD P70	MICROSOFT
Contract Cost		\$1,618.13	\$1,623.27	\$1,650.00	
Weight (lbs.)	8 lbs. (including battery)	8	6.62	7.3	
Display Size	17 inch Wide Screen	17 Inch FHD IPS	17.3 inch FHD	17.3 inch FHD	
Processor	Intel® Core™ i7 6700HQ 2.60GHz, 6M, 4 Cores, 8 Threads	Intel® Core™ i7 7820HQ 2.90GHz, 8M, 4 Cores, 8 Threads	Intel® Core™ i7 6700HQ 2.60GHz, 6M, 4 Cores, 8 Threads	Intel® Core™ i7 6700HQ 2.60GHz, 6M, 4 Cores, 8 Threads	
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	
Operating System	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	
RAM Standard	8GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM	
Hard Disk / Controller	500GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s	
Removable Storage	8X DVD+/-RW w/DVD Playback/Recording Software			8X DVD+/-RW w/DVD Playback/Recording Software	
Video Graphics	AMD / nVidia w/2GB Discrete	AMD Radeon Pro Wx 4130 w/2GB	nVidia Quadro M1000M w/2GB	nVidia Quadro M600M w/2GB	
Sound	High Definition Audio	High Definition Audio	High Definition Audio	Realtek ALC3268	
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	
Wireless Interface	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n	
Bluetooth Interface	4	4.1	4.2	4	
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 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	
Web Camera		Upgrade Option	Upgrade Option	Upgrade Option	
RAM Maximum		64GB	64GB	64GB	
DIMM Slots		4	4	4	
PC Card Slot				ExpressCard 34	
Media Card Slots		SD Card	SD Card	SD Card	
SATA Port					
USB Ports (2.0 / 3.0)		0 / 4	0 / 4 / 2 3.0 Type C	0 / 4 / 2 3.0 Type C	
Firewire Port					
Serial Port (9pin, 16550)					
VGA Out			Yes		
HDMI Out		Yes	Yes	Yes	
Display Port Out		Yes		Yes	
Headphone/Speaker Line-out		Yes	Yes	Yes	
Integrated Microphone		Yes	Yes	Yes	
Accelerometer					
GPS position					
e-Compass					
Gyro					
Battery Type (Cell)		6	6	8	
Expected Battery Life (Hours)		13	16.25	10.75	
Recharge Time (Hours)		3	4	3	
AC Adapter (Watts)		240	200	170	
Mouse (TouchPad / TouchStick)		TouchPad / TouchStick	TouchPad / TouchStick	TouchPad / TouchStick	
Keyboard Type (# of keys)		104	100	102	
Cable Lock Slot		Yes	Yes	Yes	
EnergyStar Level	4	6	5	6.1	
ePEAT Level	Silver	Gold	Gold	Gold.1	
Acoustics (max. dB)		68.1	23	27	
Dimensions (W x D x H)		16.42" x 11.08" x 1.36"	16.5" x 11.0" x 1.2"	16.4" x 10.8" x 1.2"	
UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE					
Display	Outdoor/HD/Backlit Display			Touchscreen	
RAM	16GB, 32GB, 64GB	16GB	16GB, 32GB, 64GB	16GB	
Solid State Drive	256GB, 300GB, 512GB, 1TB	256GB, 512GB, 1TB	256GB, 512GB, 1TB	256GB, 512GB	
Battery (Replacement)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell	6 Cell			
Broadband (Built-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	
Modem (Built-in)	56K v.92				
Biometrics (Built-in)	Fingerprint Reader	Yes	Yes	Yes	
Web Camera (Built-in)	Integrated	Yes	Yes	Yes	
Security	Intel vPro	Yes		Included in Base Configuration	
Warranty - Additional Years	1Yr., 2Yrs., 3Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.	
Security - Computrace BIOS Tracking	3Yrs., 4Yrs	3Yrs., 4Yrs			
ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME					
Port Replicator	USB Based, Bus Based	USB Based, Bus Based	Bus Based, Bus Based	USB Based, Bus Based	
Display Adapter	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA		x to HDMI, x to VGA	
Monitor Stand	Single VESA, Attachment/Dock	Monitor Stand, E-View Laptop Stand		Notebook/Monitor Stand	
External Keyboard/Dock	External Keyboard/Dock				
Removable Storage	USB 8x DVD+/-RW, SATA w/DVD Playback/Recording Software	USB 8x DVD+/-RW, SATA w/DVD Playback/Recording Software		USB 8x DVD+/-RW, SATA w/o DVD Playback/Recording Software	
Battery (Additional)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell	6 Cell, 9 Cell		8 Cell	
Network Interface	External Ethernet 10/100/1000	Yes			
Broadband (Add-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS				
AC Adapter (Additional)	Yes	Yes	Yes	Yes	
Auto/Air Adapter	Yes		Yes		
Case	Nylon/Neoprene, Leather, Ruggedized, Deluxe w/Wheels	Nylon/Neoprene	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	

CONFIGURATION 4 SEMI-RUGGED LAPTOP COMPARISON



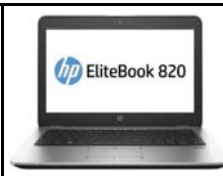
Make Model	BASE SPECIFICATIONS	LENOVO THINKPAD L570	DELL LATITUDE 5414 RUGGED	HP	MICROSOFT
Contract Cost		\$1,007.25	\$1,481.14		
Weight (lbs.)	6 lbs. (including battery) MIL-STD-810G Compliant	5.25	6.5 MIL-STD-810G Compliant		
Display Size	14 inch Wide Screen	15.6 inch FHD	14 inch HD		
Processor	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 7300U 2.50GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads		
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive		
Operating System	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	Windows 7 Pro 64Bit w/NTFS Includes license to Win 10 Pro 64Bit		
RAM Standard	4GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM		
Hard Disk / Controller	250GB SATA 3.0Gb/s	256GB Solid State	500GB SATA 3.0Gb/s		
Removable Storage	8X DVD+/-RW w/DVD Playback/Recording Software	8X DVD+/-RW w/DVD Playback/Recording Software	8X DVD+/-RW w/O DVD Playback/Recording Software		
Video Graphics	Intel® Graphics Media Accelerator HD	Intel® Graphics HD 620	Intel® Graphics Media Accelerator HD		
Sound	High Definition Audio	Dolby Advanced Audio	High Definition Audio		
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000		
Wireless Interface	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n		
Bluetooth Interface	4	4	4		
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 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		
Web Camera		Upgrade Option	Upgrade Option		
RAM Maximum		16GB	16GB		
DIMM Slots		2	2		
PC Card Slot			ExpressCard 54 / PCMCIA		
Media Card Slots		SD Card	SD Card		
SATA Port					
USB Ports (2.0 / 3.0)		0 / 4	2 / 2		
Firewire Port					
Serial Port (9pin, 16550)			Yes		
VGA Out		Yes	Yes		
HDMI Out			Yes		
Display Port Out		Yes			
Headphone/Speaker Line-out		Yes	Yes		
Integrated Microphone		Yes	Yes		
Accelerometer					
GPS position					
e-Compass					
Gyro					
Battery Type (Cell)		6	6		
Expected Battery Life (Hours)		8.2	10		
Recharge Time (Hours)		2.5	1		
AC Adapter (Watts)		45	65		
Mouse (TouchPad / TouchStick)		TouchPad / TouchStick	TouchPad		
Keyboard Type (# of keys)		104	87		
Cable Lock Slot		Y	Yes		
EnergyStar Level	4	6.1	6		
ePEAT Level	Silver	Gold	Gold		
Acoustics (max. dB)		32	90		
Dimensions (W x D x H)		14.84" x 10.04" x 1.09"	13.66" x 9.57" x 1.73"		
UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE					
Display	Outdoor/HD/Backlit Display	Outdoor/HD/Backlit Display			
RAM	8GB, 16GB	8GB	8GB, 16GB		
Solid State Drive	128GB, 160GB, 256GB, 300GB, 512GB, 1TB	128GB, 512GB	128GB, 256GB, 512GB, 1TB		
Battery (Replacement)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell		6 Cell, 9 Cell		
Broadband (Built-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS	Gobi Broadband w/A-GPS	AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS		
Modem (Built-in)	56K v.92				
Biometrics (Built-in)	Fingerprint Reader	Yes			
Web Camera (Built-in)	Integrated	Yes	Yes		
Security	Intel vPro	Included in Base Configuration	Yes		
Warranty - Additional Years	1Yr., 2Yrs., 3Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.		
Security - Computer Case	3Yrs., 4Yrs		3Yrs., 4Yrs		
ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME					
Port Replicator	USB Based, Bus Based	USB Based, Bus Based	USB Based, Bus Based		
Display Adapter	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA	x to HDMI, x to VGA		
Monitor Stand	Single VESA, Attachment/Dock	Notebook/Monitor Stand			
External Keyboard/Dock	External Keyboard/Dock				
Removable Storage	USB 8x DVD+/-RW, SATA w/DVD Playback/Recording Software	USB 8x DVD+/-RW, SATA w/o DVD Playback/Recording Software			
Battery (Additional)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell	6 Cell, 9 Cell	6 Cell, 9 Cell		
Network Interface	External Ethernet 10/100/1000		Yes		
Broadband (Add-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS	Gobi Broadband w/A-GPS			
AC Adapter (Additional)	Yes	Yes	Yes		
Auto/Air Adapter	Yes	Yes	Yes		
Case	Nylon/Neoprene, Leather, Ruggedized, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene		

CONFIGURATION 5 CONVERTIBLE LAPTOP COMPARISON



Make Model	BASE SPECIFICATIONS	DELL LATITUDE 5289	LENOVO THINKPAD YOGA 260	HP ELITEBOOK X360 1030 G2	MICROSOFT SURFACE BOOK
Contract Cost		\$1,256.60	\$1,265.28	\$1,265.60	\$1,350.45
Weight (lbs.)	4.5 lbs. (including battery)	2.97	2.9	2.82	3.48
Display Size	12.1 inch Wide Screen Touchscreen	12 inch FHD Touchscreen	12.5 inch HD Touchscreen	13.3 inch FHD Touchscreen	13.5 inch HD
Processor	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 7200U 2.50GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 7200U 2.60GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS
RAM Standard	4GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	4GB DDR3 non-ECC SDRAM	8GB DDR4 non-ECC
Hard Disk / Controller	128GB Solid State	128GB SSD SATA non-OPAL	128GB Solid State	128GB SSD SATA non-OPAL	128GB Solid State
Removable Storage					
Video Graphics	Intel® Graphics Media Accelerator HD	Intel® HD Graphics 515	Intel® HD Graphics 520	Intel® HD Graphics 620	Intel® HD Graphics 520
Sound	High Definition Audio	MaxxAudio Pro	High Definition Audio	High Definition Audio	Dolby Audio
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	
Wireless Interface	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC
Bluetooth Interface	4	4.1	4.1	4.1	
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	1Yr. Advanced Replacement
Battery Warranty	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	3 Year, 1 Time Replacement	
Web Camera		Yes	Yes	Upgrade Option	Yes
RAM Maximum		16GB	16GB	16GB	16GB
DIMM Slots		2	2	2	2
PC Card Slot					
Media Card Slots		SD Card		SD Card	SD Card
SATA Port					
USB Ports (2.0 / 3.0)		1 / 1 / 1 USB C	0 / 2	0 / 2 / 1 USB C	0 / 2
Firewire Port					
Serial Port (9pin, 16550)					
VGA Out					
HDMI Out		Yes	Yes	Yes	
Display Port Out			Yes		Yes
Headphone/Speaker Line-out		Yes	Yes	Yes	Yes
Integrated Microphone		Yes	Yes	Yes	Yes
Accelerometer		Yes	Yes		Yes
GPS position		Yes	Yes		
e-Compass		Yes	Yes		
Gyro		Yes	Yes		
Battery Type (Cell)		3 Cell	4	6	4
Expected Battery Life (Hours)		8	10	9.75	12
Recharge Time (Hours)		3	1.75	2.25	4
AC Adapter (Watts)		30	45	65	36
Mouse (TouchPad / TouchStick)		TouchPad / TouchScreen	TouchPad / TouchStick	TouchPad	TouchPad / TouchScreen
Keyboard Type (# of keys)		87	87	100	79
Cable Lock Slot		Yes	Yes	Yes	
EnergyStar Level	4	6.1	6.1	6	Unavailable
ePEAT Level	Silver	Gold	Gold	Gold	Unavailable
Acoustics (max. dB)		68.1	27	18	Unavailable
Dimensions (W x D x H)		12.00" x 8.26" x 0.73"	12.20" x 8.66" x 0.70"	13.3" x 9.3" x 0.80"	12.30" x 9.14" x 0.90"
UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE					
Display	Outdoor/HD/Backlit Display		Outdoor/HD/Backlit Display		
RAM	8GB, 16GB		8GB, 16GB		
Solid State Drive	160GB, 256GB, 300GB, 512GB, 1TB		128GB, 192GB, 256GB, 512GB	256GB, 512GB	
Battery (Replacement)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell				
Broadband (Built-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS		Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	
Modem (Built-in)	56K v.92				
Biometrics (Built-in)	Fingerprint Reader		Included in Base Configuration		
Web Camera (Built-in)	Integrated	Included in Base Configuration	Included in Base Configuration	Yes	Included in Base Configuration
Security	Intel vPro		Included in Base Configuration		
Warranty - Additional Years	1Yr., 2Yrs., 3Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.	1Yr., 2Yrs.
Security - Computrace BIOS Tracking	3Yrs., 4Yrs	3Yrs., 4Yrs.			
ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME					
Port Replicator	USB Based, Bus Based	USB Based	Bus Based	Bus Based	USB Based
Display Adapter	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA	x to HDMI, x to VGA		x to HDMI, x to VGA, Wireless
Monitor Stand	Single VESA, Attachment/Dock		Notebook/Monitor Stand		
External Keyboard/Dock	External Keyboard/Dock	Slim Keyboard, Premier Keyboard			
Removable Storage	USB 8x DVD+-RW, SATA w/DVD Playback/Recording Software		USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software	USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software	
Battery (Additional)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell				
Network Interface	External Ethernet 10/100/1000	Yes			Yes
Broadband (Add-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS				
AC Adapter (Additional)	Yes	Yes	Yes	Yes	Yes
Auto/Air Adapter	Yes		Yes		
Case	Nylon/Neoprene, Leather, Ruggedized, Deluxe w/Wheels	Nylon/Neoprene	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	

CONFIGURATION 6 2-IN-1 BUSINESS LAPTOP COMPARISON



Make Model	BASE SPECIFICATIONS	MICROSOFT SURFACE PRO 5	HP ELITEBOOK 820 G3	DELL LATITUDE E7480	LENOVO THINKPAD YOGA 260
Contract Cost		\$895.89	\$1,147.17	\$1,143.30	\$1,265.28
Weight (lbs.)	3.5 lbs. (including battery)	1.70	3.08	3.13	2.9
Display Size	12.1 inch Wide Screen Touchscreen	12.3 inch FHD Touchscreen	12.5 inch FHD	14 inch QHD Touchscreen	12.5 inch HD Touchscreen
Processor	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 7300U 2.60GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 7300U 2.60GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit
RAM Standard	4GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM
Hard Disk / Controller	128GB Solid State	128GB Solid State	128GB Solid State	128GB Solid State	128GB Solid State
Removable Storage					
Video Graphics	Intel® Graphics Media Accelerator HD	Intel® HD Graphics 620	Intel® Graphics Media Accelerator HD	Intel® HD Graphics 620	Intel® HD Graphics 520
Sound	High Definition Audio	Dolby Audio	High Definition Audio	MaxxAudio Pro	High Definition Audio
Network Interface	Intel® Gigabit LAN 10/100/1000		Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000
Wireless Interface	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC
Bluetooth Interface	4	4	4.1	4.1	4.1
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	1 Year Advanced Replacement	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 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
Web Camera		Yes	Upgrade Option	Yes	Yes
RAM Maximum		16GB	16GB	8GB	16GB
DIMM Slots		2	2	2	2
PC Card Slot					
Media Card Slots		SD Card	SD Card	SD Card	
SATA Port					
USB Ports (2.0 / 3.0)		0 / 1	0 / 2 / 1 USB C	0 / 3	0 / 2
Firewire Port					
Serial Port (9pin, 16550)					
VGA Out			Yes		
HDMI Out				Yes	Yes
Display Port Out		Yes	Yes	Yes, mini	Yes
Headphone/Speaker Line-out		Yes	Yes	Yes	Yes
Integrated Microphone		Yes	Yes	Yes	Yes
Accelerometer		Yes		Yes	Yes
GPS position		Yes		Yes	Yes
e-Compass		Yes		Yes	Yes
Gyro		Yes		Yes	Yes
Battery Type (Cell)		3	3	3 Cell	4
Expected Battery Life (Hours)		13.5	12.5	8	10
Recharge Time (Hours)		4	2.5	3	1.75
AC Adapter (Watts)		45	65	30	45
Mouse (TouchPad / TouchStick)		TouchScreen	TouchPad / TouchStick	TouchPad / TouchScreen	TouchPad / TouchStick
Keyboard Type (# of keys)		Virtual	102	87	87
Cable Lock Slot			Yes	Yes	Yes
EnergyStar Level	4	Unavailable	6	6.1	6.1
ePEAT Level	Silver	Unavailable	Gold	Gold	Gold
Acoustics (max. dB)		Unavailable	Unavailable	68.1	27
Dimensions (W x D x H)		11.50" x 7.90" x 0.33"	12.2" x 8.6" x 0.80"	13.19" x 9.13" x 0.76"	12.20" x 8.66" x 0.70"

UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE

Display	Outdoor/HD/Backlit Display				Outdoor/HD/Backlit Display
RAM	8GB, 16GB	8GB/256GB, 16GB/512GB	8GB, 16GB		8GB, 16GB
Solid State Drive	160GB, 256GB, 300GB, 512GB, 1TB		256GB, 512GB	256GB, 512GB	128GB, 192GB, 256GB, 512GB
Battery (Replacement)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell				
Broadband (Built-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS		Gobi Broadband w/A-GPS		Gobi Broadband w/A-GPS
Modem (Built-in)	56K v.92				
Biometrics (Built-in)	Fingerprint Reader		Yes		Included in Base Configuration
Web Camera (Built-in)	Integrated	Included in Configuration	Yes	Included in Base Configuration	Included in Base Configuration
Security	Intel vPro			Yes	Included in Base Configuration
Warranty - Additional Years	1Yr., 2Yrs., 3Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.
Security - Computrace BIOS Tracking	3Yrs., 4Yrs			3Yrs., 4Yrs.	

ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME

Port Replicator	USB Based, Bus Based	USB Based	Bus Based	USB Based	Bus Based
Display Adapter	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA, Wireless		x to HDMI, x to VGA	x to HDMI, x to VGA
Monitor Stand	Single VESA, Attachment/Dock				Notebook/Monitor Stand
External Keyboard/Dock	External Keyboard/Dock	Type Cover		Premier Keyboard	
Removable Storage	USB 8x DVD+/-RW, SATA w/DVD Playback/Recording Software				USB 8x DVD+/-RW, SATA w/o DVD Playback/Recording Software
Battery (Additional)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell		3 Cell		
Network Interface	External Ethernet 10/100/1000	Yes		Yes	
Broadband (Add-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS				
AC Adapter (Additional)	Yes	Yes		Yes	Yes
Auto/Air Adapter	Yes		Yes		Yes
Case	Nylon/Neoprene, Leather, Ruggedized, Deluxe w/Wheels		Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene	Nylon/Neoprene, Leather, Deluxe w/Wheels

CONFIGURATION 7 2-IN-1 PERFORMANCE LAPTOP COMPARISON



Make Model	BASE SPECIFICATIONS	DELL LATITUDE E7280	MICROSOFT SURFACE PRO 5	LENOVO THINKPAD X1 YOGA 2	HP ELITEBOOK X360 1030 G2
Contract Cost		\$1,256.60	\$1,349.00	\$1,377.20	\$1,384.16
Weight (lbs.)	3.5 lbs. (including battery)	2.61	1.70	3.13	2.82
Display Size	12.1 inch Wide Screen Touchscreen	12.5 inch FHD	12.3 inch FHD Touchscreen	14 inch FHD Touchscreen	13.3 inch FHD Touchscreen
Processor	Intel® Core™ i7 6600U 2.60GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i7 7600U 2.80GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i7 7600U 2.50GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i7 7600U 2.80GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i7 7600U 2.80GHz, 4M, 2 Cores, 4 Threads
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 7 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS
RAM Standard	8GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM
Hard Disk / Controller	256GB Solid State	256GB SSD SATA non-OPAL	256GB Solid State	256GB SSD SATA non-OPAL	256GB SSD SATA non-OPAL
Removable Storage					
Video Graphics	Intel® Graphics Media Accelerator HD	Intel® HD Graphics 515	Intel® HD Graphics 640	Intel® HD Graphics 620	Intel® HD 620
Sound	High Definition Audio	MaxxAudio Pro	Dolby Audio	High Definition Audio	High Definition Audio
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000		Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000
Wireless Interface	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n
Bluetooth Interface	4	4.1	4	4.1	4
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	1 Year Advanced Replacement	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 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
Web Camera		Yes	Yes	Yes	
RAM Maximum		8GB	16GB	16GB	16GB
DIMM Slots		2	2	2	2
PC Card Slot					
Media Card Slots		SD Card	SD Card		SD Card
SATA Port					
USB Ports (2.0 / 3.0)		0 / 0 / 2 USB C	0 / 1	0 / 3	0 / 2 / 1 USB C
Firewire Port					
Serial Port (9pin, 16550)					
VGA Out					Yes
HDMI Out		Yes		Yes	
Display Port Out		Yes	Yes	Yes	Yes
Headphone/Speaker Line-out		Yes	Yes	Yes	Yes
Integrated Microphone		Yes	Yes	Yes	Yes
Accelerometer		Yes	Yes	Yes	
GPS position			Yes	Yes	
e-Compass		Yes	Yes	Yes	
Gyro		Yes	Yes	Yes	
Battery Type (Cell)		3 Cell	3	4	3
Expected Battery Life (Hours)		8	9	11	12.5
Recharge Time (Hours)		3	4	3.75	2.75
AC Adapter (Watts)		30	36	45	65
Mouse (TouchPad / TouchStick)		TouchPad / Touchstick	TouchScreen	TouchPad / TouchStick	TouchPad / TouchStick
Keyboard Type (# of keys)		87	Virtual	87	102
Cable Lock Slot		Yes		Yes	Yes
EnergyStar Level	4	6.1	Unavailable	6.1	6
ePEAT Level	Silver	Gold	Unavailable	Gold	Gold
Acoustics (max. dB)		68.1	Unavailable	32	Unavailable
Dimensions (W x D x H)		12.00" x 8.19" x 0.68"	11.50" x 7.90" x 0.33"	13.11" x 9.01" x 0.67"	13.3" x 9.3" x 0.80"

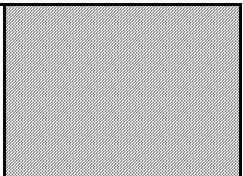
UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE					
Display	Outdoor/HD/Backlit Display			Outdoor/HD/Backlit Display	
RAM	16GB		16GB/1TB	16GB	16GB
Solid State Drive	300GB, 512GB, 1TB	512GB		128GB, 192GB, 256GB, 512GB	512GB
Battery (Replacement)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell				
Broadband (Built-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS			Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS
Modem (Built-in)	56K v.92				
Biometrics (Built-in)	Fingerprint Reader			Included in Base Configuration	Yes
Web Camera (Built-in)	Integrated	Included in Base Configuration	Included in Configuration	Included in Base Configuration	
Security	Intel vPro	Yes		Included in Base Configuration	
Warranty - Additional Years	1Yr., 2Yrs., 3Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.
Security - Computrace BIOS Tracking	3Yrs., 4Yrs	3Yrs., 4Yrs.			

ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME					
Port Replicator	USB Based, Bus Based	USB Based	USB Based	Bus Based	Bus Based
Display Adapter	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA	
Monitor Stand	Single VESA, Attachment/Dock			Notebook/Monitor Stand	
External Keyboard/Dock	External Keyboard/Dock	Premier Keyboard	Type Cover		
Removable Storage	USB 8x DVD+/-RW, SATA w/DVD Playback/Recording Software			USB 8x DVD+/-RW, SATA w/o DVD Playback/Recording Software	
Battery (Additional)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell				3 Cell
Network Interface	External Ethernet 10/100/1000	Yes	Yes		
Broadband (Add-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS				
AC Adapter (Additional)	Yes	Yes	Yes	Yes	Yes
Auto/Air Adapter	Yes			Yes	Yes
Case	Nylon/Neoprene, Leather, Ruggedized, Deluxe w/Wheels	Nylon/Neoprene		Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels

CONFIGURATION 8

8"

TABLET COMPARISON



Make Model	BASE SPECIFICATIONS	MICROSOFT SURFACE 3	DELL LATITUDE 5175	HP ELITE X2 1012 G1	LENOVO
Contract Cost		\$486.75	\$821.94	\$1,338.01	
Weight (lbs.)	1.5 lbs. (including battery)	1.37	1.5	1.8	
Display Size	8 inch wide Touchscreen	10.8 inch FHD Touchscreen	10.8 inch FHD Touchscreen	12 inch FHD Touchscreen	
Processor	Intel® Core™ m5-6Y75 1.2GHz, 4M, 2 Cores, 4 Threads	Intel® Atom™ x7-Z8700 1.6GHz, 2M, 4 Cores, 4 Threads	Intel® Core™ m5-6Y75 1.2GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ m5-6Y75 1.2GHz, 4M, 2 Cores, 4 Threads	
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	
Operating System	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 8.1 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Includes license to Win 10 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	
RAM Standard	2GB DDR3 non-ECC SDRAM	4GB DDR3 non-ECC SDRAM	4GB DDR3 non-ECC SDRAM	8GB DDR3 non-ECC SDRAM	
Hard Disk / Controller	64GB Solid State	64GB Solid State	128GB Solid State	128GB Solid State	
Removable Storage					
Video Graphics	Intel® Graphics Media Accelerator HD	Intel® Gen Iris 8	Intel® HD Graphics 515	Intel® HD Graphics 515	
Sound	High Definition Audio	Dolby Audio	High Definition Audio	High Definition Audio	
Network Interface					
Wireless Interface	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	
Bluetooth Interface	4	4	4.1	4.2	
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	1 Year Advanced Replacement	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 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	
Web Camera		Yes	Yes	Yes	
RAM Maximum		4GB	8GB	8GB	
DIMM Slots		1	2	2	
PC Card Slot					
Media Card Slots		SD Card	SD Card	SD Card	
SATA Port					
USB Ports (2.0 / 3.0)		0 / 1	0 / 1 / 1 3.0 C	0 / 1 / 1 3.0 C	
Firewire Port					
Serial Port (9pin, 16550)					
VGA Out					
HDMI Out			Yes, Mini		
Display Port Out		Yes			
Headphone/Speaker Line-out		Yes	Yes	Yes	
Integrated Microphone		Yes	Yes	Yes	
Accelerometer		Yes	Yes	Yes	
GPS position			Yes	Yes	
e-Compass			Yes	Yes	
Gyro			Yes	Yes	
Battery Type (Cell)		2	2	4	
Expected Battery Life (Hours)		9	9	10.25	
Recharge Time (Hours)		4	3	3	
AC Adapter (Watts)		13	30	45	
Mouse (TouchPad / TouchStick)		TouchScreen	TouchPad / TouchScreen	TouchPad / TouchScreen	
Keyboard Type (# of keys)		Virtual	87	87	
Cable Lock Slot			Yes		
EnergyStar Level	4	Unavailable	6.1	6	
ePEAT Level	Silver	Unavailable	Gold	Gold	
Acoustics (max. dB)		Unavailable	68.1	11	
Dimensions (W x D x H)		10.54" x 7.36" x 0.34"	11.0" x 6.96" x 0.42"	11.8" x 8.4" x 0.3"	
UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE					
Display	Outdoor/HD/Backlit Display				
RAM	8GB DDR4 non-ECC		8GB		
Solid State Drive	32GB, 64GB, 128GB, 160GB, 256GB, 300GB, 512GB, 1TB	128GB	128GB, 256GB	180GB, 256GB, 512GB	
Battery (Replacement)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell				
Broadband (Built-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS	Verizon Broadband w/A-GPS		Gobi Broadband w/A-GPS	
Modem (Built-in)	56K v.92				
Biometrics (Built-in)	Fingerprint Reader			Yes	
Web Camera (Built-in)	Integrated	Included in Base Configuration	Included in Base Configuration	Included in Base Configuration	
Security	Intel vPro		Yes		
Warranty - Additional Years	1Yr., 2Yrs., 3Yrs.	1 Yr., 2 Yrs.	1 Yr., 2 Yrs.	1 Yr., 2 Yrs.	
Security - Compliance BIOS	3Yrs., 4Yrs		3Yrs., 4Yrs.		
ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME					
Port Replicator	USB Based, Bus Based	USB Based	USB Based	Wireless	
Display Adapter	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA		
Monitor Stand	Single VESA, Attachment/Dock				
External Keyboard/Dock	External Keyboard/Dock	Type Cover	Keyboard, Keyboard Folio		
Removable Storage	USB 8x DVD +/-RW, SATA w/DVD Playback/Recording Software				
Battery (Additional)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell				
Network Interface	External Ethernet 10/100/1000	Yes	Yes		
Broadband (Add-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS				
AC Adapter (Additional)	Yes	Yes	Yes		
Auto/Air Adapter	Yes				
Case	Nylon/Neoprene, Leather, Ruggedized, Deluxe w/Wheels		Nylon/Neoprene	Nylon/Neoprene, Leather, Deluxe w/Wheels	

CONFIGURATION 9

10"

TABLET COMPARISON



Make Model	BASE SPECIFICATIONS	LENOVO THINKPAD 10	MICROSOFT SURFACE PRO 4	DELL LATITUDE 5175	HP ELITE X2 1012 G1
Contract Cost		\$632.12	\$814.55	\$821.94	\$1,326.57
Weight (lbs.)	1.5 lbs. (including battery)	1.32	1.73	1.5	1.8
Display Size	10 inch wide Touchscreen	10 inch Touchscreen	12.3 inch FHD Touchscreen	10.8 inch FHD Touchscreen	12 inch FHD Touchscreen
Processor	Intel® Core™ m5-6Y75 1.2GHz, 4M, 2 Cores, 4 Threads	Intel® Atom™ x7-Z8700 1.6GHz, 2M, 4 Cores, 4 Threads	Intel® Core™ m3-6Y30 900MHz, 4M, 2 Cores, 4 Threads	Intel® Core™ m5-6Y75 1.2GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ m5-6Y75 1.2GHz, 4M, 2 Cores, 4 Threads
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive
Operating System	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 8.1 Pro 64Bit w/NTFS Includes license to Win 10 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS
RAM Standard	4GB DDR3 non-ECC SDRAM	4GB DDR3 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	4GB DDR3 non-ECC SDRAM	8GB DDR3 non-ECC SDRAM
Hard Disk / Controller	64GB Solid State	128GB Solid State	128GB Solid State	128GB Solid State	128GB Solid State
Removable Storage					
Video Graphics	Intel® Graphics Media Accelerator HD	Intel® HD Graphics	Intel® HD Graphics 515	Intel® HD Graphics 515	Intel® HD Graphics 515
Sound	High Definition Audio	High Definition Audio	Dolby Audio	High Definition Audio	High Definition Audio
Network Interface					
Wireless Interface	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC
Bluetooth Interface	4	4.2	4	4.1	4.2
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year Depot	1 Year Advanced Replacement	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 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
Web Camera		Yes	Yes	Yes	Yes
RAM Maximum		4GB	16GB	8GB	8GB
DIMM Slots		1	2	2	2
PC Card Slot					
Media Card Slots		SD Card	SD Card	SD Card	SD Card
SATA Port					
USB Ports (2.0 / 3.0)		0 / 1	0 / 1	0 / 1 / 1 3.0 C	0 / 1 / 1 3.0 C
Firewire Port					
Serial Port (9pin, 16550)					
VGA Out					
HDMI Out		Yes		Yes, Mini	
Display Port Out			Yes		
Headphone/Speaker Line-out		Yes	Yes	Yes	Yes
Integrated Microphone		Yes	Yes	Yes	Yes
Accelerometer		Yes	Yes	Yes	Yes
GPS position		Yes	Yes	Yes	Yes
e-Compass		Yes	Yes	Yes	Yes
Gyro		Yes	Yes	Yes	Yes
Battery Type (Cell)		2	3	2	4
Expected Battery Life (Hours)		10	9	9	10.25
Recharge Time (Hours)		2	4	3	3
AC Adapter (Watts)		36	36	30	45
Mouse (TouchPad / TouchStick)		TouchScreen	TouchScreen	TouchPad / TouchScreen	TouchPad / TouchScreen
Keyboard Type (# of keys)		Virtual	Virtual	87	87
Cable Lock Slot		Yes		Yes	
EnergyStar Level	4	Unavailable	Unavailable	6.1	6
ePEAT Level	Silver	Unavailable	Unavailable	Gold	Gold
Acoustics (max. dB)		14	Unavailable	68.1	11
Dimensions (W x D x H)		10.19" x 6.96" x 0.36"	11.50" x 7.93" x 0.33"	11.0" x 6.96" x 0.42"	11.8" x 8.4" x 0.3"

UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE









Display	Outdoor/HD/Backlit Display				
RAM	8GB DDR4 non-ECC			8GB	
Solid State Drive	32GB, 64GB, 128GB, 160GB, 256GB, 300GB, 512GB, 1TB			128GB, 256GB	180GB, 256GB, 512GB
Battery (Replacement)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell				
Broadband (Built-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS	Gobi Broadband w/A-GPS			Gobi Broadband w/A-GPS
Modem (Built-in)	56K v.92				
Biometrics (Built-in)	Fingerprint Reader				Yes
Web Camera (Built-in)	Integrated	Included in Base Configuration	Included in Configuration	Included in Base Configuration	Included in Base Configuration
Security	Intel vPro			Yes	
Warranty - Additional Years	1Yr., 2Yrs., 3Yrs.		1Yr., 2 Yrs.	1 Yr., 2 Yrs.	1 Yr., 2 Yrs.
Security - Computrace BIOS	3Yrs., 4Yrs			3Yrs., 4Yrs.	

ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME

Port Replicator	USB Based, Bus Based	USB Based, Bus Based	USB Based	USB Based	Wireless
Display Adapter	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA	x to HDMI, x to VGA, Wireless	x to HDMI, x to VGA	
Monitor Stand	Single VESA, Attachment/Dock				
External Keyboard/Dock	External Keyboard/Dock	Keyboard, Keyboard Folio	Type Cover	Keyboard, Keyboard Folio	
Removable Storage	USB 8x DVD+/-RW, SATA w/DVD Playback/Recording Software	USB 8x DVD+/-RW, SATA w/o DVD Playback/Recording Software			
Battery (Additional)	3 Cell, 4 Cell, 6 Cell, 8 Cell, 9 Cell, 12 Cell				
Network Interface	External Ethernet 10/100/1000		Yes	Yes	
Broadband (Add-in)	Gobi Broadband w/A-GPS, AT&T Broadband w/A-GPS, Verizon Broadband w/A-GPS, Sprint Broadband w/A-GPS				
AC Adapter (Additional)	Yes	Yes	Yes	Yes	
Auto/Air Adapter	Yes				
Case	Nylon/Neoprene, Leather, Ruggedized, Deluxe w/Wheels	Nylon/Neoprene, Leather		Nylon/Neoprene	Nylon/Neoprene, Leather, Deluxe w/Wheels









HP LAPTOPS

**Golden Star
Technology
MA-IS-1740024**

	CONFIGURATION 1 15" BUSINESS LAPTOP	CONFIGURATION 2 15" PERFORMANCE LAPTOP	CONFIGURATION 3 17" PERFORMANCE LAPTOP	CONFIGURATION 4 SEMI-RUGGED LAPTOP	CONFIGURATION 5 CONVERTIBLE LAPTOP	CONFIGURATION 6 2-IN-1 BUSINESS LAPTOP	CONFIGURATION 7 2-IN-1 PERFORMANCE LAPTOP	CONFIGURATION 8 8" TABLET	CONFIGURATION 9 10" TABLET
									
Model	PROBOOK 650 G2	ELITEBOOK 850 G3	ZBOOK 17 G3		ELITEBOOK X360 1030 G2	ELITEBOOK 820 G3	ELITEBOOK X360 1030 G2	ELITE X2 1012 G1	ELITE X2 1012 G1
Contract Cost	\$838.31	\$1,117.55	\$1,623.27		\$1,265.60	\$1,147.17	\$1,384.16	\$1,338.01	\$1,326.57
Weight (lbs.)	5.1	4.02	6.62		2.82	3.08	2.82	1.8	1.8
Display Size	15.6 inch HD	15.6 inch FHD	17.3 inch FHD		13.3 inch FHD Touchscreen	12.5 inch FHD	13.3 inch FHD Touchscreen	12 inch FHD Touchscreen	12 inch FHD Touchscreen
Processor	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i7 6600U 2.60GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i7 6700HQ 2.60GHz, 6M, 4 Cores, 8 Threads		Intel® Core™ i5 7200U 2.60GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i7 7600U 2.80GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ m5-6Y75 1.2GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ m5-6Y75 1.2GHz, 4M, 2 Cores, 4 Threads
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive		Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS
Operating System	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS		Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS
RAM Standard	4GB DDR4 non-ECC	8GB DDR4 non-ECC	8GB DDR4 non-ECC SDRAM		4GB DDR3 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM	8GB DDR3 non-ECC SDRAM	8GB DDR3 non-ECC SDRAM
Hard Disk / Controller	500GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s		128GB SSD SATA non-OPAL	128GB Solid State	256GB SSD SATA non-OPAL	128GB Solid State	128GB Solid State
Removable Storage	8X DVD+/-RW w/o DVD Playback/Recording Software	8X DVD+/-RW w/o DVD Playback/Recording Software							
Video Graphics	Intel® Graphics Media Accelerator HD	Intel® HD 5500	nVidia Quadro M1000M w/2GB		Intel® HD 620	Intel® Graphics Media Accelerator HD	Intel® HD 620	Intel® HD Graphics 515	Intel® HD Graphics 515
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
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000		Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000		
Wireless Interface	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC		Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC
Bluetooth Interface	4.2	4.2	4.2		4.1	4.1	4	4.2	4.2
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)		3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 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
Web Camera			Upgrade Option		Upgrade Option	Upgrade Option		Yes	Yes
RAM Maximum	16GB	16GB	64GB		16GB	16GB	16GB	8GB	8GB
DIMM Slots	2	2	4		2	2	2	2	2
PC Card Slot									
Media Card Slots	SD Card	SD Card	SD Card		SD Card	SD Card	SD Card	SD Card	SD Card
SATA Port									
USB Ports (2.0 / 3.0)	0 / 2 / 1 3.0 Type C	0 / 2 / 1 3.0 Type C	0 / 4 / 2 3.0 Type C		0 / 2 / 1 USB C	0 / 2 / 1 USB C	0 / 2 / 1 USB C	0 / 1 / 1 3.0 C	0 / 1 / 1 3.0 C
Firewire Port									
Serial Port (9pin, 16550)									
VGA Out	Yes	Yes	Yes		Yes	Yes	Yes		
HDMI Out			Yes		Yes				
Display Port Out	Yes	Yes			Yes	Yes	Yes		
Headphone/Speaker Line-out	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes
Integrated Microphone	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes
Accelerometer								Yes	Yes
GPS position								Yes	Yes
e-Compass								Yes	Yes
Gyro								Yes	Yes
Battery Type (Cell)	3 Cell	3 Cell	6		6	3	3	4	4
Expected Battery Life (Hours)	10	10	16.25		9.75	12.5	12.5	10.25	10.25
Recharge Time (Hours)	1.5	1.5	4		2.25	2.5	2.75	3	3
AC Adapter (Watts)	65	65	200		65	65	65	45	45
Mouse (TouchPad / TouchStick)	TouchPad	TouchPad	TouchPad / TouchStick		TouchPad	TouchPad / TouchStick	TouchPad / TouchStick	TouchPad / TouchScreen	TouchPad / TouchScreen
Keyboard Type (# of keys)	102	102	100		100	102	102	87	87
Cable Lock Slot	Yes	Yes	Yes		Yes	Yes	Yes		
EnergyStar Level	6	6	5		6	6	6	6	6
ePEAT Level	Gold	Gold	Gold		Gold	Gold	Gold	Gold	Gold
Acoustics (max. dB)	20	20	23		18	Unavailable	Unavailable	11	11
Dimensions (W x D x H)	14.88" x 10.11" x 1.07"	14.88" x 10.11" x 1.07"	16.5" x 11.0" x 1.2"		13.3" x 9.3" x 0.80"	12.2" x 8.6" x 0.80"	13.3" x 9.3" x 0.80"	11.8" x 8.4" x 0.3"	11.8" x 8.4" x 0.3"
UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE									
Display									
RAM	8GB, 16GB	16GB	16GB, 32GB, 64GB			8GB, 16GB	16GB		
Solid State Drive	128GB, 256GB, 512GB	128GB, 256GB, 512GB	256GB, 512GB, 1TB		256GB, 512GB	256GB, 512GB	512GB	180GB, 256GB, 512GB	180GB, 256GB, 512GB
Battery (Replacement)									
Broadband (Built-in)	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS		Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS
Modem - 56K v.92 (Built-in)									
Biometrics - Fingerprint Reader (Built-in)	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes
Web Camera (Built-in)			Yes		Yes	Yes		Included in Base Configuration	Included in Base Configuration
Security									
Warranty - Additional Years	1Yr., 2Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.		1Yr., 2 Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.	1 Yr., 2 Yrs.	1 Yr., 2 Yrs.
Security - CompuTrace BIOS Tracking									
ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME									
Port Replicator	Bus Based, Bus Based	Bus Based, Bus Based	Bus Based, Bus Based		Bus Based	Bus Based	Bus Based	Wireless	Wireless
Display Adapter									
Monitor Stand									
External Keyboard Attachment/Dock									
Removable Storage					USB 8x DVD+/-RW, SATA w/o DVD Playback/Recording Software				
Battery (Additional)			6 Cell, 9 Cell			3 Cell	3 Cell		
Network Interface									
Broadband (Add-in)									
AC Adapter (Additional)	Yes	Yes	Yes		Yes		Yes		
Auto/Air Adapter	Yes	Yes	Yes		Yes	Yes	Yes		
Case	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels		Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels

LENOVO LAPTOPS

**Technology
Integration Group
MA-IS-1740028**

	CONFIGURATION 1 15" BUSINESS LAPTOP	CONFIGURATION 2 15" PERFORMANCE LAPTOP	CONFIGURATION 3 17" PERFORMANCE LAPTOP	CONFIGURATION 4 SEMI-RUGGED LAPTOP	CONFIGURATION 5 CONVERTIBLE LAPTOP	CONFIGURATION 6 2-IN-1 BUSINESS LAPTOP	CONFIGURATION 7 2-IN-1 PERFORMANCE LAPTOP	CONFIGURATION 8 8" TABLET	CONFIGURATION 9 10" TABLET
									
Model	THINKPAD T570	THINKPAD T570	THINKPAD P70	THINKPAD L570	THINKPAD YOGA 260	THINKPAD YOGA 260	THINKPAD X1 YOGA 2		THINKPAD 10
Contract Cost	\$838.31	\$1,204.15	\$1,650.00	\$1,007.25	\$1,265.28	\$1,265.28	\$1,377.20		\$632.12
Weight (lbs.)	4.34	4.34	7.3	5.25	2.9	2.9	3.13		\$1.32
Display Size	15.6 inch HD	15.6 inch HD	17.3 inch FHD	15.6 inch FHD	12.5 inch HD Touchscreen	12.5 inch HD Touchscreen	14 inch FHD Touchscreen		10 inch Touchscreen
Processor	Intel® Core™ i5 7300U 2.60GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i7 7600U 2.50GHz, 4M, 2 Cores, 4 Threads	Intel® Core™ i7 6700HQ 2.60GHz, 6M, 4 Cores, 8 Threads	Intel® Core™ i5 7300U 2.50GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i5 6300U 2.40GHz, 3M, 2 Cores, 4 Threads	Intel® Core™ i7 7600U 2.80GHz, 4M, 2 Cores, 4 Threads		Intel® Atom™ x7-Z8700 1.6GHz, 2M, 4 Cores, 4 Threads
BIOS Configuration	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive	Boot to Hard Disk Drive		Boot to Hard Disk Drive
Operating System	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS Downgradable to Win 7 Pro 64Bit	Windows 10 Pro 64Bit w/NTFS		Windows 10 Pro 64Bit w/NTFS
RAM Standard	4GB DDR4 non-ECC	8GB DDR4 non-ECC	8GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	4GB DDR4 non-ECC SDRAM	8GB DDR4 non-ECC SDRAM		4GB DDR3 non-ECC SDRAM
Hard Disk / Controller	256GB Solid State	500GB SATA 3.0Gb/s	500GB SATA 3.0Gb/s	256GB Solid State	128GB Solid State	128GB Solid State	256GB SSD SATA non-OPAL		128GB Solid State
Removable Storage			8X DVD+-RW w/DVD Playback/Recording Software	8X DVD+-RW w/DVD Playback/Recording Software					
Video Graphics	Intel® Graphics HD 620	Intel® Graphics HD 620	nVidia Quadro M600M w/2GB	Intel® Graphics HD 620	Intel® HD Graphics 520	Intel® HD Graphics 520	Intel® HD Graphics 620		Intel® HD Graphics
Sound	Dolby Advanced Audio	Dolby Advanced Audio	Realtek ALC3268	Dolby Advanced Audio	High Definition Audio	High Definition Audio	High Definition Audio		High Definition Audio
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000		Intel® 802.11 a/b/g/n/AC
Wireless Interface	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n/AC	Intel® 802.11 a/b/g/n		Intel® 802.11 a/b/g/n/AC
Bluetooth Interface	4	4	4	4	4.1	4.1	4.1		4.2
Main Warranty	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)	3 Year NBD Onsite (Accidental Damage, Keep Your HD)		3 Year Depot
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 Depot
Web Camera	Upgrade Option	Upgrade Option	Upgrade Option	Upgrade Option	Yes	Yes	Yes		Yes
RAM Maximum	32GB	32GB	64GB	16GB	16GB	16GB	16GB		4GB
DIMM Slots	2	2	4	2	2	2	2		1
PC Card Slot	ExpressCard	ExpressCard	ExpressCard 34						
Media Card Slots	SD Card	SD Card	SD Card	SD Card					SD Card
SATA Port									
USB Ports (2.0 / 3.0)	0 / 3	0 / 3	0 / 4 / 2 3.0 Type C	0 / 4	0 / 2	0 / 2	0 / 3		0 / 1
Firewire Port									
Serial Port (pin, 16550)									
VGA Out				Yes					
HDMI Out	Yes	Yes	Yes		Yes	Yes	Yes		Yes
Display Port Out	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes
Headphone/Speaker Line-out	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes
Integrated Microphone	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes
Accelerometer					Yes	Yes	Yes		Yes
GPS position					Yes	Yes	Yes		Yes
e-Compass					Yes	Yes	Yes		Yes
Gyro					Yes	Yes	Yes		Yes
Battery Type (Cell)	3	3	8	6	4	4	4		2
Expected Battery Life (Hours)	15	15	10.75	8.2	10	10	11		10
Recharge Time (Hours)	2.5	2.5	3	2.5	1.75	1.75	3.75		2
AC Adapter (Watts)	45	45	170	45	45	45	45		36
Mouse (TouchPad / TouchStick)	TouchPad / TouchStick	TouchPad / TouchStick	TouchPad / TouchStick	TouchPad / TouchStick	TouchPad / TouchStick	TouchPad / TouchStick	TouchPad / TouchStick		TouchScreen
Keyboard Type (# of keys)	102	102	102	104	87	87	87		Virtual
Cable Lock Slot	Yes	Yes	Yes	Y	Yes	Yes	Yes		Yes
EnergyStar Level	6.1	6.1	6.1	6.1	6.1	6.1	6.1		Unavailable
ePEAT Level	Gold	Gold	Gold.1	Gold	Gold	Gold	Gold		Unavailable
Acoustics (max. dB)	26	26	27	32	27	27	32		14
Dimensions (W x D x H)	14.98" x 10.16" x 0.88"	14.98" x 10.16" x 0.88"	16.4" x 10.8" x 1.2"	14.84" x 10.04" x 1.09"	12.20" x 8.66" x 0.70"	12.20" x 8.66" x 0.70"	13.11" x 9.01" x 0.67"		10.19" x 6.96" x 0.36"
UPGRADE OPTIONS - ORDERED AT TIME OF PURCHASE									
Display	Touchscreen	Touchscreen	Touchscreen	Outdoor/HD/Backlit Display	Outdoor/HD/Backlit Display	Outdoor/HD/Backlit Display	Outdoor/HD/Backlit Display		
RAM	8GB, 16GB	16GB	16GB	8GB, 16GB	8GB, 16GB	8GB, 16GB	8GB, 16GB		16GB
Solid State Drive	128GB, 512GB	256GB, 512GB	256GB, 512GB	128GB, 512GB	128GB, 192GB, 256GB, 512GB	128GB, 192GB, 256GB, 512GB	128GB, 192GB, 256GB, 512GB		
Battery (Replacement)	6 Cell	6 Cell							
Broadband (Built-in)	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS		Gobi Broadband w/A-GPS
Modem - 56K v.92 (Built-in)									
Biometrics - Fingerprint Reader (Built-in)	Yes	Yes	Yes	Yes	Included in Base Configuration	Included in Base Configuration	Included in Base Configuration		
Web Camera (Built-in)	Yes	Yes	Yes	Yes	Included in Base Configuration	Included in Base Configuration	Included in Base Configuration		Included in Base Configuration
Security	Included in Base Configuration	Included in Base Configuration	Included in Base Configuration	Included in Base Configuration	Included in Base Configuration	Included in Base Configuration	Included in Base Configuration		
Warranty - Additional Years	1Yr., 2Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.	1Yr., 2Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.	1Yr., 2 Yrs.		
Security - CompuTrace BIOS Tracking									
ACCESSORY OPTIONS - ORDERED AT TIME OF PURCHASE OR AT A LATER TIME									
Port Replicator	USB Based, Bus Based	USB Based, Bus Based	USB Based, Bus Based	USB Based, Bus Based	Bus Based	Bus Based	Bus Based		USB Based, Bus Based
Display Adapter	x to HDMI, x to VGA	x to HDMI, x to VGA	x to HDMI, x to VGA	x to HDMI, x to VGA	x to HDMI, x to VGA	x to HDMI, x to VGA	x to HDMI, x to VGA		x to HDMI, x to VGA
Monitor Stand	Notebook/Monitor Stand	Notebook/Monitor Stand	Notebook/Monitor Stand	Notebook/Monitor Stand	Notebook/Monitor Stand	Notebook/Monitor Stand	Notebook/Monitor Stand		
External Keyboard Attachment/Dock									Keyboard, Keyboard Folio
Removable Storage	USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software	USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software	USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software	USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software	USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software	USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software	USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software		USB 8x DVD+-RW, SATA w/o DVD Playback/Recording Software
Battery (Additional)	6 Cell	6 Cell	8 Cell	6 Cell, 9 Cell					
Network Interface									
Broadband (Add-in)	Gobi Broadband w/A-GPS	Gobi Broadband w/A-GPS		Gobi Broadband w/A-GPS					
AC Adapter (Additional)	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes
Auto/Air Adapter	Yes	Yes		Yes	Yes	Yes	Yes		
Case	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels	Nylon/Neoprene, Leather, Deluxe w/Wheels		Nylon/Neoprene, Leather

