










OVERALL COMPUTER COMPARISON

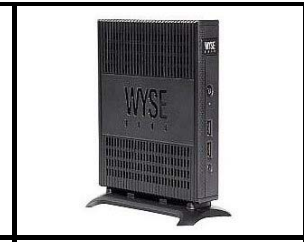
	CONFIGURATION 1 ZERO CLIENT	CONFIGURATION 2 BUSINESS THIN CLIENT	CONFIGURATION 3 PERFORMANCE THIN CLIENT	CONFIGURATION 4 BUSINESS ALL-IN-ONE	CONFIGURATION 5 PERFORMANCE ALL-IN-ONE	CONFIGURATION 6 BUSINESS COMPUTER	CONFIGURATION 7 PERFORMANCE COMPUTER	CONFIGURATION 8 BUSINESS WORKSTATION	CONFIGURATION 9 PERFORMANCE WORKSTATION
									
DELL	DELL P25	DELL D90D7	DELL Z90D7	DELL OPTIPLEX 9020 AIO	DELL OPTIPLEX 9020 AIO	DELL OPTIPLEX 3020	DELL OPTIPLEX 9020	DELL PRECISION T5610	DELL PRECISION T5610
EnPointe Technologies MA-IS-1540015	\$252.00	\$278.00	\$420.00	\$1,054.00	\$1,234.00	\$534.00	\$753.00	\$1,544.28	\$2,158.32
HP	HP T310			HP PRODESK 600 AIO	HP ELITEONE 800 G1 AIO	HP PRODESK 600 G1	HP PRODESK 600 G1	HP Z620	HP Z620
Broadway Typewriter/Arey Jones MA-IS-1540012	\$329.60			\$787.95	\$1,171.11	\$580.92	\$719.97	\$1,549.12	\$2,167.12
LENOVO	LENOVO VXL	LENOVO THINKCENTRE M32	LENOVO THINKCENTRE M73	LENOVO THINKCENTRE EDGE 93Z AIO	LENOVO THINKCENTRE EDGE 93Z AIO	LENOVO THINKCENTRE M73	LENOVO THINKCENTRE M73	LENOVO THINKSTATION D30	LENOVO THINKSTATION D30
Technology Integration Group MA-IS-1540009	\$357.00	\$255.00	\$383.00	\$1,069.00	\$1,202.00	\$665.00	\$822.00	\$1,716.00	\$2,280.00
SAMSUNG	SAMSUNG NX-N2								
Technology Integration Group MA-IS-1540006	\$299.00								

CONFIGURATION 1 ZERO THIN CLIENT COMPARISON



Make / Model	BASE	DELL P25	SAMSUNG NX-N2	HP T310	LENOVO VXL
Contract Cost	SPECIFICATIONS	\$252.00	\$299.00	\$329.60	\$357.00
Model /Chassis Type	Ultra Small Form Factor	Ultra Small Form Factor	Integrated w/Monitor	Ultra Small Form Factor	Ultra Small Form Factor
Display			21.5 Inch LED		
Processor / Front Side Bus	Teradici® TERA™ 2321	Teradici® TERA™ 2321	Teradici® TERA™ 2321	Teradici® TERA™ 2321	Teradici® TERA™ 2321
BIOS Configuration	Boot to Flash	Boot to Flash	Boot to Flash	Boot to Flash	Boot to Flash
Operating System		N/A	N/A	N/A	N/A
RAM Standard	512MB	512MB DDR3 RAM, 32MB Flash	512MB DDR3 RAM, 32MB Flash	512MB DDR3 RAM	512MB DDR2 RAM
RAM Maximum				512MB DDR3 RAM	512MB DDR2 RAM
DIMM Slots				1	1
Hard Disk					
3.5" Drive Bays (Total / Available)					
Removable Storage					
Media Card Slots					
Video Graphics Card	VESA Dual Monitor Support	RealTek® ALC262-VD2	VESA Dual Monitor	VESA Dual Monitor	VESA Dual Monitor
Video Outputs		DVI, Display Port, VGA via included DVI to VGA Cable	DVI, Display Port	DVI x 2, Display Port x 2	DVI x 2
Sound Card	High Definition Audio	RealTek® High Definition	RealTek® ALC886	RealTek® High Definition	RealTek® High Definition
Network Interface	Intel® Gigabit LAN 10/100/1000	Gigabit LAN 10/100/1000	RealTek® Gigabit LAN 10/100/1000	RealTek® Gigabit LAN 10/100/1000	Gigabit LAN 10/100/1000
PCoIP	Yes	Yes	Yes	Yes	Yes
Wireless Interface					
Energy Efficient Power Supply					
PCI Slots (Total / Available)					
External SATA Connection					
USB Connections (2.0 / 3.0)		Front: 2 x 2.0 Back: 2 x 2.0	Front: 4 x 2.0 & 2 x 3.0 Back: 2 x 2.0	Front: 2 x 2.0 Back: 2 x 2.0	Front: 2 x 2.0 Back: 2 x 2.0
Firewire Connection					
Parallel Connection (Bi-Direct)					
Serial Connection (9pin, 16550)					
Bluetooth Interface					
Stereo line-in Connection		1	1	1	1
Microphone-in Connection		1	1	1	1
Speakers/line-out Connection		1	1	1	1
Mouse	USB 2-Button Optical w/Scroll	PS/2 2-Button Optical w/Scroll Connected to Keyboard	Wireless 3-Button Optical	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Multimedia	USB Enhanced	Wireless Compact Keyboard	USB Standard	USB Multimedia
Intel vPro					
Warranty	3 Year Depot Service	3 Year Depot Service	3 Year Depot Service	3 Year Depot Service	3 Year Depot Service
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE					
Chassis - Desktop					
Chassis - Small Form Factor					
Chassis - Ultra Small Form Factor					
BIOS Configuration - Boot to Network					
BIOS Configuration - Boot to Optical Drive					
Windows 8 Pro 64Bit w/NTFS & 6GB RAM					
Windows 8 Pro 64Bit w/NTFS & 12GB RAM					
Hard Drive					
SED Hard Drive					
Solid State Drive					
SED Solid State Drive					
DVD+/-RW					
Video Graphics Card w/1GB Discrete					
Video Graphics Card w/2GB Discrete					
Wireless Interface					
Bluetooth Interface					
Intel vPro					
4 Yr. CompuTrace® BIOS Tracking					
5 Yr. CompuTrace® BIOS Tracking					
1 Additional Yr. NBD Onsite Warranty		Yes, Depot Service		Yes, Depot Service	
2 Additional Yrs. NBD Onsite Warranty		Yes, Depot Service		Yes, Depot Service	
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME					
Video Adapter Dongle - DVI to VGA		Yes			
Video Adapter Dongle - HDMI to VGA					
Video Adapter Dongle - Display Port to VGA		Yes		Yes	
INFORMATION - MINI TOWER					
Active/Operating - Energy Efficient (Watts)			53.3		
Power Save/Sleep Mode - Energy Efficient (Watts)			2.1		
EnergyStar Level - Energy Efficient			N/A		
ePEAT Level - Energy Efficient			N/A		
Acoustics (max. dB)			1		
Dimensions (W x D x H)			21.8 x 8.8 x 15		
Weight (lbs)			10.8		
Chassis Lock & Cable Loop			Yes		
INFORMATION - DESKTOP					
Active/Operating - Energy Efficient (Watts)			53.3		
Power Save/Sleep Mode - Energy Efficient (Watts)			2.1		
EnergyStar Level - Energy Efficient			N/A		
ePEAT Level - Energy Efficient			N/A		
Acoustics (max. dB)			1		
Dimensions (W x D x H)			21.8 x 8.8 x 15		
Weight (lbs)			10.8		
Chassis Lock & Cable Loop			Yes		
INFORMATION - SMALL FORM FACTOR					
Active/Operating - Energy Efficient (Watts)			53.3		
Power Save/Sleep Mode - Energy Efficient (Watts)			2.1		
EnergyStar Level - Energy Efficient			N/A		
ePEAT Level - Energy Efficient			N/A		
Acoustics (max. dB)			1		
Dimensions (W x D x H)			21.8 x 8.8 x 15		
Weight (lbs)			10.8		
Chassis Lock & Cable Loop			Yes		
INFORMATION - ULTRA SMALL FORM FACTOR					

CONFIGURATION 2 BUSINESS THIN CLIENT COMPARISON



Make / Model	BASE	LENOVO THINKCENTRE M32	DELL D90D7
Contract Cost	SPECIFICATIONS	\$255.00	\$278.00
Model / Chassis Type	Ultra Small Form Factor	Ultra Small Form Factor	Ultra Small Form Factor
Display			
Processor / Front Side Bus	Teradici® TERA™ 2321	Intel® Celeron™ 847 (1.1GHz, 2M, 2 Core, 5GT/s)	AMD® G-Series™ T48E (1.4GHz, 512K, 2 Core)
BIOS Configuration	Boot to Flash	Boot to Flash	Boot to Flash
Operating System		LeTOS- Linux ICA, PCoIP, RDP	Windows Embedded Standard 7
RAM Standard	1GB DDR2 / 512MB Flash	2GB DDR2 RAM, 1GB Flash	2GB DDR3 RAM, 16GB Flash
RAM Maximum		4GB DDR2	4GB DDR3
DIMM Slots		1	1
Hard Disk			
3.5" Drive Bays (Total / Available)			
Removable Storage			
Media Card Slots			
Video Graphics Card	VESA Dual Monitor Support	Intel® HD	AMD® Radeon™ HD 6320
Video Outputs		VGA, Display Port	DVI, Display Port, VGA via included DVI to VGA Cable
Sound Card	High Definition Audio Full Duplex	RealTek® ALC662-VD	RealTek® ALC69Q-VB6-CGT Full Duplex
Network Interface	Intel® Gigabit LAN 10/100/1000	RealTek® Gigabit LAN 10/100/1000	Gigabit LAN 10/100/1000
PCoIP	Yes	Yes	Yes
Wireless Interface			
Energy Efficient Power Supply			
PCI Slots (Total / Available)			
External SATA Connection			
USB Connections (2.0 / 3.0)		Front: 4 x 2.0 Back: 2 x 2.0	Front: 2 x 2.0 Back: 2 x 2.0
Firewire Connection			
Parallel Connection (Bi-Direct.)		1	
Serial Connection (9pin, 16550)		1	
Bluetooth Interface			
Stereo line-in Connection		1	1
Microphone-in Connection		1	1
Speakers/line-out Connection		Internal Mono Speaker	Internal Mono Speaker
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	PS/2 2-Button Optical w/Scroll Connected to Keyboard
Keyboard	USB Multimedia	USB Multimedia	USB Enhanced
Intel vPro			
Warranty	3 Year Depot Service	3 Year Depot Service	3 Year Depot Service
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE			
Chassis - Desktop			
Chassis - Small Form Factor			
Chassis - Ultra Small Form Factor			
BIOS Configuration - Boot to Network		Yes	
BIOS Configuration - Boot to Optical Drive			
Windows 8 Pro 64Bit w/NTFS & 6GB RAM			
Windows 8 Pro 64Bit w/NTFS & 12GB RAM			
Hard Drive			
SED Hard Drive			
Solid State Drive			
SED Solid State Drive			
DVD+/-RW			
Video Graphics Card w/1GB Discrete			
Video Graphics Card w/2GB Discrete			
Wireless Interface			
Bluetooth Interface			
Intel vPro			
4 Yr. CompuTrace® BIOS Tracking		3 Yr. CompuTrace® BIOS Tracking	
5 Yr. CompuTrace® BIOS Tracking		4 Yr. CompuTrace® BIOS Tracking	
1 Additional Yr. NBD Onsite Warranty		Yes, Depot Service	Yes, Depot Service
2 Additional Yrs. NBD Onsite Warranty		Yes, Depot Service	Yes, Depot Service
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME			
Video Adapter Dongle - DVI to VGA			Yes
Video Adapter Dongle - HDMI to VGA			
Video Adapter Dongle - Display Port to VGA		Yes	Yes
INFORMATION - MINI TOWER			
Active/Operating - Energy Efficient (Watts)			
Power Save/Sleep Mode - Energy Efficient (Watts)			
EnergyStar Level - Energy Efficient			
ePEAT Level - Energy Efficient			
Acoustics (max. dB)			
Dimensions (W x D x H)			
Weight (.lbs)			
Chassis Lock & Cable Loop			
INFORMATION - DESKTOP			
Active/Operating - Energy Efficient (Watts)			
Power Save/Sleep Mode - Energy Efficient (Watts)			
EnergyStar Level - Energy Efficient			
ePEAT Level - Energy Efficient			
Acoustics (max. dB)			
Dimensions (W x D x H)			
Weight (.lbs)			
Chassis Lock & Cable Loop			
INFORMATION - SMALL FORM FACTOR			
Active/Operating - Energy Efficient (Watts)			
Power Save/Sleep Mode - Energy Efficient (Watts)			
EnergyStar Level - Energy Efficient			
ePEAT Level - Energy Efficient			
Acoustics (max. dB)			
Dimensions (W x D x H)			
Weight (.lbs)			
Chassis Lock & Cable Loop			
INFORMATION - ULTRA SMALL FORM FACTOR			

CONFIGURATION 3 PERFORMANCE THIN CLIENT COMPARISON



Make / Model	BASE	LENOVO M73	DELL Z90D7
Contract Cost	SPECIFICATIONS	\$383.00	\$420.00
Model / Chassis Type	Ultra Small Form Factor	Ultra Small Form Factor	Ultra Small Form Factor
Display			
Processor / Front Side Bus	Intel® Atom™ Z3770D (1.5GHz, 2M, 4 Core, 4 Thread)	Intel® Celeron™ G1820T (2.4GHz, 2M, 2 Core, 2 Thread, 5GT/s)	AMD® G-Series™ T56N (1.65Hz, 512K, 2 Core)
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System		Windows Embedded Standard 7	Windows Embedded Standard 7
RAM Standard	4GB DDR2	4GB DDR2	4GB DDR3
RAM Maximum		4GB DDR2	4GB DDR3
DIMM Slots		2	1
Hard Disk	40GB		60GB Solid State
3.5" Drive Bays (Total / Available)		1 / 1	
Removable Storage			
Media Card Slots			
Video Graphics Card	VESA Dual Monitor Support	Intel® HD	AMD® Radeon™ HD 6320
Video Outputs		VGA, Display Port	DVI, Display Port, VGA via included DVI to VGA Cable
Sound Card	High Definition Audio Full Duplex	RealTek® ALC662	RealTek® ALC69Q-VB6-CGT Full Duplex
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Gigabit LAN 10/100/1000
PCoP	Yes	Yes	Yes
Wireless Interface			
Energy Efficient Power Supply			
PCI Slots (Total / Available)		1 / 1	
External SATA Connection			
USB Connections (2.0 / 3.0)		Front: 2 x 3.0 Back: 3 x 2.0	Front: 2 x 2.0 Back: 2 x 2.0 & 2 x 3.0
Firewire Connection			
Parallel Connection (Bi-Direct.)			
Serial Connection (9pin, 16550)			
Bluetooth Interface			
Stereo line-in Connection		1	1
Microphone-in Connection		1	1
Speakers/line-out Connection		1	1
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	PS/2 2-Button Optical w/Scroll Connected to Keyboard
Keyboard	USB Multimedia	USB Multimedia	USB Enhanced
Intel vPro			
Warranty	3 Year Depot Service	3 Year Depot Service	3 Year Depot Service
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE			
Chassis - Desktop			
Chassis - Small Form Factor			
Chassis - Ultra Small Form Factor			
BIOS Configuration - Boot to Network			
BIOS Configuration - Boot to Optical Drive			
Windows 8 Pro 64Bit w/NTFS & 6GB RAM			
Windows 8 Pro 64Bit w/NTFS & 12GB RAM			
Hard Drive			
SED Hard Drive			
Solid State Drive			
SED Solid State Drive			
DVD+/-RW			
Video Graphics Card w/1GB Discrete			
Video Graphics Card w/2GB Discrete			
Wireless Interface			
Bluetooth Interface			
Intel vPro			
4 Yr. CompuTrace® BIOS Tracking			
5 Yr. CompuTrace® BIOS Tracking			
1 Additional Yr. NBD Onsite Warranty			Yes, Depot Service
2 Additional Yrs. NBD Onsite Warranty			Yes, Depot Service
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME			
Video Adapter Dongle - DVI to VGA			Yes
Video Adapter Dongle - HDMI to VGA			
Video Adapter Dongle - Display Port to VGA			Yes
INFORMATION - MINI TOWER			
Active/Operating - Energy Efficient (Watts)			
Power Save/Sleep Mode - Energy Efficient (Watts)			
EnergyStar Level - Energy Efficient			
ePEAT Level - Energy Efficient			
Acoustics (max. dB)			
Dimensions (W x D x H)			
Weight (.lbs)			
Chassis Lock & Cable Loop			
INFORMATION - DESKTOP			
Active/Operating - Energy Efficient (Watts)			
Power Save/Sleep Mode - Energy Efficient (Watts)			
EnergyStar Level - Energy Efficient			
ePEAT Level - Energy Efficient			
Acoustics (max. dB)			
Dimensions (W x D x H)			
Weight (.lbs)			
Chassis Lock & Cable Loop			
INFORMATION - SMALL FORM FACTOR			
Active/Operating - Energy Efficient (Watts)			
Power Save/Sleep Mode - Energy Efficient (Watts)			
EnergyStar Level - Energy Efficient			
ePEAT Level - Energy Efficient			
Acoustics (max. dB)			
Dimensions (W x D x H)			
Weight (.lbs)			
Chassis Lock & Cable Loop			
INFORMATION - ULTRA SMALL FORM FACTOR			

CONFIGURATION 4 BUSINESS ALL-IN-ONE COMPARISON



Make / Model	BASE SPECIFICATIONS	HP PRODESK 600 AIO	DELL OPTIPLEX 9020 AIO	LENOVO THINKCENTRE EDGE 93Z AIO
Contract Cost		\$787.95	\$1,054.00	\$1,069.00
Model /Chassis Type	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor
Display	20 Inch Touchscreen	20 Inch Widescreen Non-Touchscreen	23 Inch WLED-HD Touchscreen	21.5 Inch Touchscreen
Processor / Front Side Bus	Intel® i5™ 4570S (2.90GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i5™ 4570S (2.90GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i5™ 4570S (2.90GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i5™ 4570S (2.90GHz, 6M, 4 Core, 4 Thread, 5GT/s)
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit
RAM Standard	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	4GB DDR3L Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM
RAM Maximum	16GB DDR3	16GB DDR3	16GB DDR3L	16GB DDR3
DIMM Slots		2	2	2
Hard Disk	250GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s
3.5" Drive Bays (Total / Available)		1 / 0	1 / 0	0 / 0
Removable Storage	16X DVD-ROM, SATA DVD Playback Software	8X Slimline DVD-ROM, SATA	8X Slimline DVD-ROM, SATA, Cyberlink® Media Suite Essentials™	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™
Media Card Slots			8-in-1 Reader	
Video Graphics Card	Intel® Graphics Media Accelerator HD	Intel® HD Graphics 4600	Intel® HD Graphics 4600	Intel® HD Graphics 4600
Video Outputs		Display Port	VGA, HDMI	HDMI
Sound Card	High Definition Audio	RealTek® ALC3228	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
PCoIP				
Wireless Interface				
Energy Efficient Power Supply		87% Efficient	90% Efficient	92% Efficient
PCI Slots (Total / Available)		0 / 0	1 / 0 Mini PCIe	0 / 0
External SATA Connection				
USB Connections (2.0 / 3.0)		Front: 2 x 2.0 & 2 x 3.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 2.0 & 2 x 3.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 3.0 Back: 4 x 2.0
Firewire Connection				
Parallel Connection (Bi-Direct.)				
Serial Connection (9pin, 16550)		1		
Bluetooth Interface				
Stereo line-in Connection			1	1
Microphone-in Connection		1	1	1
Speakers/line-out Connection		1	1	1
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Multimedia	USB Keyboard	USB QuietKey	USB Keyboard
Intel vPro				
Warranty	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE				
Chassis - Desktop				
Chassis - Small Form Factor				
Chassis - Ultra Small Form Factor				
BIOS Configuration - Boot to Network		Yes		
BIOS Configuration - Boot to Optical Drive		Yes		
Windows 8 Pro 64Bit w/NTFS & 8GB RAM		Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM
Windows 8 Pro 64Bit w/NTFS & 12GB RAM		Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM
Hard Drive		1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s
SED Hard Drive		500GB SED Opal	500GB SED Opal	
Solid State Drive		128GB	128GB	128GB, 180GB, 256GB
SED Solid State Drive		128GB, 256GB SED Opal2		
DVD +/-RW		8X Slimline DVD +/-RW, SATA	8X Slimline DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™	
Video Graphics Card w/1GB Discrete				nVidia® GeForce™ GT 720A w/1GB
Video Graphics Card w/2GB Discrete		AMD® Radeon™ HD 7650A w/2GB	AMD® Radeon™ HD 8750 w/2GB	
Wireless Interface		Yes (a/b/g/n), includes Bluetooth 4.0	Yes (a/g/n), includes Bluetooth 4.0	Yes (a/b/g/n), includes Bluetooth 4.0
Bluetooth Interface		Yes (4.0), includes Wireless	Yes (4.0), includes Wireless	Yes (4.0), includes Wireless
Intel vPro				
4 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
5 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
1 Additional Yr. NBD Onsite Warranty		Yes	Yes	Yes
2 Additional Yrs. NBD Onsite Warranty				
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME				
Video Adapter Dongle - DVI to VGA				
Video Adapter Dongle - HDMI to VGA				
Video Adapter Dongle - Display Port to VGA		Yes		Yes
INFORMATION - MINI TOWER				
Active/Operating - Energy Efficient (Watts)				
Power Save/Sleep Mode - Energy Efficient				
EnergyStar Level - Energy Efficient				
ePEAT Level - Energy Efficient				
Acoustics (max. dB)				
Dimensions (W x D x H)				
Weight (.lbs)				
Chassis Lock & Cable Loop				
INFORMATION - DESKTOP				
Active/Operating - Energy Efficient (Watts)		21.64	99	18.16
Power Save/Sleep Mode - Energy Efficient		1.7	2.3	1.14
EnergyStar Level - Energy Efficient		4	5.2	5.2
ePEAT Level - Energy Efficient		Gold	Gold	Silver
Acoustics (max. dB)		34	34.3	22.9
Dimensions (W x D x H)		20.5 x 7.7 x 16.8	22.6 x 2.8 x 15.2	21 x 1.95 x 15
Weight (.lbs)		22.2	26.1	16.31
Chassis Lock & Cable Loop		Yes	Yes	Yes
INFORMATION - SMALL FORM FACTOR				
Active/Operating - Energy Efficient (Watts)				
Power Save/Sleep Mode - Energy Efficient				
EnergyStar Level - Energy Efficient				
ePEAT Level - Energy Efficient				
Acoustics (max. dB)				
Dimensions (W x D x H)				
Weight (.lbs)				
Chassis Lock & Cable Loop				
INFORMATION - ULTRA SMALL FORM FACTOR				

CONFIGURATION 5 PERFORMANCE ALL-IN-ONE COMPARISON



Make / Model	BASE SPECIFICATIONS	HP ELITEONE 800 G1 AIO	LENOVO THINKCENTRE EDGE M93Z AIO	DELL OPTIPLEX 9020 AIO
Contract Cost		\$1,171.11	\$1,202.00	\$1,234.00
Model /Chassis Type	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor
Display	22 Inch Touchscreen	23 Inch Widescreen Touchscreen	23 Inch Touchscreen	23 Inch WLED-HD Touchscreen
Processor / Front Side Bus	Intel® i7™ 4770S (3.10GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® i7™ 4770S (3.10GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® i7™ 4770S (3.10GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® i7™ 4770S (3.10GHz, 8M, 4 Core, 8 Thread, 5GT/s)
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit
RAM Standard	4GB DDR3 Non-ECC SDRAM	4GB DDR3L Non-ECC SDRAM	4GB DDR3L Non-ECC SDRAM	4GB DDR3L Non-ECC SDRAM
RAM Maximum		16GB DDR3L	16GB DDR3L	16GB DDR3L
DIMM Slots		2	2	2
Hard Disk	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s
3.5" Drive Bays (Total / Available)		1 / 0	1 / 0	1 / 0
Removable Storage	16X DVD +/-RW, SATA, DVD Playback/Recording Software	8X Slimline DVD-ROM, SATA	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™	8X Slimline DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™
Media Card Slots				8-in-1 Reader
Video Graphics Card	AMD® / nVidia® w/1GB Discrete	AMD® Radeon™ HD 7650A w/2GB	Intel® HD Graphics 4600	AMD® Radeon™ HD 8750 w/2GB
Video Outputs		Display Port	Display Port	VGA, HDMI
Sound Card	High Definition Audio	RealTek® ALC3228	RealTek® ALC283CG	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
PCoP				
Wireless Interface				
Energy Efficient Power Supply		93% Efficient	85% Efficient	90% Efficient
PCI Slots (Total / Available)		1 / 0 Mini PCIe	0 / 0	1 / 0 Mini PCIe
External SATA Connection				
USB Connections (2.0 / 3.0)		Front: 2 x 2.0 & 2 x 3.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 3.0 Back: 4 x 2.0	Front: 2 x 2.0 & 2 x 3.0 Back: 2 x 2.0 & 2 x 3.0
Firewire Connection				
Parallel Connection (Bi-Direct.)				
Serial Connection (9pin, 16550)		1		
Bluetooth Interface				
Stereo line-in Connection			1	1
Microphone-in Connection		1	1	1
Speakers/line-out Connection		1	1	1
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Multimedia	USB Keyboard	USB Keyboard	USB QuietKey
Intel vPro				
Warranty	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE				
Chassis - Desktop				
Chassis - Small Form Factor				
Chassis - Ultra Small Form Factor				
BIOS Configuration - Boot to Network		Yes	Yes	
BIOS Configuration - Boot to Optical Drive		Yes	Yes	
Windows 8 Pro 64Bit w/NTFS & 8GB RAM		Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM
Windows 8 Pro 64Bit w/NTFS & 12GB RAM		Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM
Hard Drive		500GB/8GB Flash, 1TB/8GB Flash	1TB, 2TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s
SED Hard Drive		500GB SED Opal	320GB SED Opal	500GB SED Opal
Solid State Drive		128GB	128GB, 180GB, 256GB	128GB
SED Solid State Drive		128GB, 256GB SED Opal2		
DVD+/-RW				
Video Graphics Card w/1GB Discrete				
Video Graphics Card w/2GB Discrete		AMD® Radeon™ HD 7650A w/2GB		AMD® Radeon™ HD 8750 w/2GB
Wireless Interface		Yes (a/b/g/n), includes Bluetooth 4.0	Yes (a/b/g/n), includes Bluetooth 4.0	Yes (a/g/n), includes Bluetooth 4.0
Bluetooth Interface		Yes (4.0), includes Wireless	Yes (4.0), includes Wireless	Yes (4.0), includes Wireless
Intel vPro				
4 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
5 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
1 Additional Yr. NBD Onsite Warranty		Yes	Yes	Yes
2 Additional Yrs. NBD Onsite Warranty				
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME				
Video Adapter Dongle - DVI to VGA				
Video Adapter Dongle - HDMI to VGA				
Video Adapter Dongle - Display Port to VGA		Yes	Yes	
INFORMATION - MINI TOWER				
Active/Operating - Energy Efficient (Watts)				
Power Save/Sleep Mode - Energy Efficient (Watts)				
EnergyStar Level - Energy Efficient				
ePEAT Level - Energy Efficient				
Acoustics (max dB)				
Dimensions (W x D x H)				
Weight (.lbs)				
Chassis Lock & Cable Loop				
INFORMATION - DESKTOP				
Active/Operating - Energy Efficient (Watts)		21.64	8.05	99
Power Save/Sleep Mode - Energy Efficient (Watts)		1.7	0.81	2.3
EnergyStar Level - Energy Efficient		4	5.2	5.2
ePEAT Level - Energy Efficient		Gold	Gold	Gold
Acoustics (max dB)		34	24	34.3
Dimensions (W x D x H)		22 x 6 x 17.2	22.4 x 3.7 x 17.6	22.6 x 2.8 x 15.2
Weight (.lbs)		24.5	24.7	26.1
Chassis Lock & Cable Loop		Yes	Yes	Yes
INFORMATION - SMALL FORM FACTOR				
Active/Operating - Energy Efficient (Watts)				
Power Save/Sleep Mode - Energy Efficient (Watts)				
EnergyStar Level - Energy Efficient				
ePEAT Level - Energy Efficient				
Acoustics (max dB)				
Dimensions (W x D x H)				
Weight (.lbs)				
Chassis Lock & Cable Loop				
INFORMATION - ULTRA SMALL FORM FACTOR				

CONFIGURATION 6 BUSINESS COMPUTER COMPARISON



Make / Model	BASE SPECIFICATIONS	DELL OPTIPLEX 3020	HP PRODESK 600 G1	LENOVO THINKCENTRE M73
Contract Cost		\$534.00	\$580.92	\$665.00
Model / Chassis Type	MiniTower	MiniTower	MiniTower	MiniTower
Display				
Processor / Front Side Bus	Intel® i5™ 4570 (3.20GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i5™ 4570 (3.20GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i5™ 4570 (3.20GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i5™ 4570 (3.20GHz, 6M, 4 Core, 4 Thread, 5GT/s)
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit
RAM Standard	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM
RAM Maximum	16GB DDR3	16GB DDR3	32GB DDR3	16GB DDR3
DIMM Slots		2	4	2
Hard Disk	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	250GB SATA 6.0Gb/s
3.5" Drive Bays (Total / Available)		2 / 1	2 / 1	2 / 0
Removable Storage	16X DVD-ROM, SATA, DVD Playback Software	16X DVD-ROM, SATA, Cyberlink® Media Suite Essentials™	8X Slimline DVD-ROM, SATA	16X DVD-ROM, SATA
Media Card Slots				
Video Graphics Card	Intel® Graphics Media Accelerator HD Dual Monitor Enabled	Intel® HD Graphics 4600	Intel® HD Graphics 4600	Intel® HD Graphics 4600
Video Outputs		VGA, Display Port	VGA, Display Port x 2	VGA, Display Port
Sound Card	High Definition Audio	High Definition Audio	RealTek® ALC221	RealTek® ALC662
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	RealTek® Gigabit LAN 10/100/1000
PCoIP				
Wireless Interface				
Energy Efficient Power Supply		90% Efficient	87% Efficient	85% Efficient
PCI Slots (Total / Available)		4 / 4	0 / 0	3 / 3
External SATA Connection				
USB Connections (2.0 / 3.0)		Front: 2 x 2.0 Back: 4 x 2.0 & 2 x 3.0	Front: 2 x 2.0 & 2 x 3.0 Back: 4 x 2.0 & 2 x 3.0	Front: 2 x 2.0 Back: 2 x 2.0 & 2 x 3.0
Firewire Connection				
Parallel Connection (Bi-Direct.)				
Serial Connection (9pin, 16550)			1	
Bluetooth Interface				
Stereo line-in Connection		1		1
Microphone-in Connection		1	1	1
Speakers/line-out Connection		1	1	1
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Multimedia	USB QuietKey	USB Keyboard	USB Keyboard
Intel vPro				
Warranty	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE				
Chassis - Desktop				
Chassis - Small Form Factor		Yes	Yes	Yes
Chassis - Ultra Small Form Factor				Yes
BIOS Configuration - Boot to Network			Yes	Yes
BIOS Configuration - Boot to Optical Drive			Yes	Yes
Windows 8 Pro 64Bit w/NTFS & 6GB RAM		Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM
Windows 8 Pro 64Bit w/NTFS & 12GB RAM		Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM
Hard Drive		1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	500GB, 1TB, 2TB SATA 6.0Gb/s
SED Hard Drive			500GB SED Opal	320GB SED Opal
Solid State Drive		128GB	128GB	128GB, 180GB, 256GB
SED Solid State Drive			128GB, 256GB SED Opal	
DVD+/-RW		16X DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™	8X Slimline DVD +/-RW, SATA	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™
Video Graphics Card w/1GB Discrete		AMD® Radeon™ HD 8490 w/1GB	AMD® Radeon™ HD 8350 w/1GB	nVidia® GeForce™ GT 620 w/1GB
Video Graphics Card w/2GB Discrete			nVidia® GeForce™ GT630DP w/2GB	AMD® Radeon™ HD 8570 w/2GB
Wireless Interface		Yes (a/n)	Yes (a/b/g/n)	Yes (a/b/g/n), includes Bluetooth 4.0
Bluetooth Interface				Yes, includes Wireless
Intel vPro				
4 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
5 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
1 Additional Yr. NBD Onsite Warranty		Yes	Yes	Yes
2 Additional Yrs. NBD Onsite Warranty				
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME				
Video Adapter Dongle - DVI to VGA		Yes		
Video Adapter Dongle - HDMI to VGA				
Video Adapter Dongle - Display Port to VGA		Yes	Yes	Yes
INFORMATION - MINI TOWER				
Active/Operating - Energy Efficient (Watts)		88.8	21	40.21
Power Save/Sleep Mode - Energy Efficient (Watts)		2.3	1.42	1.59
EnergyStar Level - Energy Efficient		5.2	4	5.2
ePEAT Level - Energy Efficient		Gold	Gold	Gold
Acoustics (max. dB)		45.6	36	26
Dimensions (W x D x H)		6.9 x 16.4 x 14.2	6.7 x 17.4 x 15.7	6.3 x 16.6 x 15.3
Weight (.lbs)		20.7	20.5	20.7
Chassis Lock & Cable Loop		Yes	Yes	Yes
INFORMATION - DESKTOP				
Active/Operating - Energy Efficient (Watts)				
Power Save/Sleep Mode - Energy Efficient (Watts)				
EnergyStar Level - Energy Efficient				
ePEAT Level - Energy Efficient				
Acoustics (max. dB)				
Dimensions (W x D x H)				
Weight (.lbs)				
Chassis Lock & Cable Loop				
INFORMATION - SMALL FORM FACTOR				
Active/Operating - Energy Efficient (Watts)		78.15	21	40.15
Power Save/Sleep Mode - Energy Efficient (Watts)		1.36	1.42	1.6
EnergyStar Level - Energy Efficient		5.2	4	5.2
ePEAT Level - Energy Efficient		Gold	Gold	Gold
Acoustics (max. dB)		37.8	36	26
Dimensions (W x D x H)		3.7 x 12.3 x 11.4	3.95 x 14.9 x 13.3	3.9 x 15 x 13.2
Weight (.lbs)		13.2	16.7	14.6
Chassis Lock & Cable Loop		Yes	Yes	Yes
INFORMATION - ULTRA SMALL FORM FACTOR				

CONFIGURATION 7 PERFORMANCE COMPUTER COMPARISON



Make / Model	BASE SPECIFICATIONS	HP PRODESK 600 G1	DELL OPTIPLEX 9020	LENOVO THINKCENTRE M73
Contract Cost		\$719.97	\$753.00	\$822.00
Model / Chassis Type	MiniTower	MiniTower	MiniTower	MiniTower
Display				
Processor / Front Side Bus	Intel® i7™ 4770 (3.40GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® i7™ 4770 (3.40GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® i7™ 4770 (3.40GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® i7™ 4770 (3.40GHz, 8M, 4 Core, 8 Thread, 5GT/s)
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit
RAM Standard	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM
RAM Maximum		32GB DDR3	32GB DDR3	16GB DDR3
DIMM Slots		4	4	2
Hard Disk	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s
3.5" Drive Bays (Total / Available)		2 / 1	2 / 1	2 / 0
Removable Storage	16X DVD +/-RW, SATA, DVD Playback/Recording Software	8X Slimline DVD +/-RW, SATA	16X DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™
Media Card Slots				
Video Graphics Card	AMD® / nVidia® w/1GB Discrete Dual Monitor Enabled	AMD® Radeon™ HD 8350 w/1GB	AMD® Radeon™ HD 8490 w/1GB	nVidia® GeForce™ GT 620 w/1GB
Video Outputs		VGA, Display Port x 2	DVI, Display Port	VGA, Display Port
Sound Card	High Definition Audio	RealTek® ALC221	High Definition Audio	RealTek® ALC662
Network Interface	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	RealTek® Gigabit LAN 10/100/1000
PCoIP				
Wireless Interface				
Energy Efficient Power Supply		87% Efficient	90% Efficient	85% Efficient
PCI Slots (Total / Available)		0 / 0	4 / 3	3 / 3
External SATA Connection				
USB Connections (2.0 / 3.0)		Front: 2 x 2.0 & 2 x 3.0 Back: 4 x 2.0 & 2 x 3.0	Front: 2 x 2.0 Back: 4 x 2.0 & 2 x 3.0	Front: 2 x 2.0 Back: 2 x 2.0 & 2 x 3.0
Firewire Connection				
Parallel Connection (Bi-Direct.)				
Serial Connection (9pin, 16550)		1		
Bluetooth Interface				
Stereo line-in Connection			1	1
Microphone-in Connection		1	1	1
Speakers/line-out Connection		1	1	1
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Multimedia	USB Keyboard	USB QuietKey	USB Keyboard
Intel vPro				
Warranty	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE				
Chassis - Desktop				
Chassis - Small Form Factor		Yes	Yes	Yes
Chassis - Ultra Small Form Factor			Yes	
BIOS Configuration - Boot to Network		Yes		Yes
BIOS Configuration - Boot to Optical Drive		Yes		Yes
Windows 8 Pro 64Bit w/NTFS & 6GB RAM		Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM
Windows 8 Pro 64Bit w/NTFS & 12GB RAM		Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM
Hard Drive		1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	1TB, 2TB SATA 6.0Gb/s
SED Hard Drive		500GB SED Opal	500GB SED Opal	320GB SED Opal
Solid State Drive		128GB, 256GB	128GB, 256GB	128GB, 180GB, 256GB
SED Solid State Drive		128GB, 256GB SED Opal2		
DVD +/-RW				
Video Graphics Card w/1GB Discrete		AMD® Radeon™ HD 8350 w/1GB	AMD® Radeon™ HD 8490 w/1GB	
Video Graphics Card w/2GB Discrete		nVidia® GeForce™ GT630DP w/2GB		AMD® Radeon™ HD 8570 w/2GB
Wireless Interface		Yes (a/b/g/n)	Yes (a/n)	Yes (a/b/g/n), includes Bluetooth 4.0
Bluetooth Interface				Yes, includes Wireless
Intel vPro			Yes	
4 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
5 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
1 Additional Yr. NBD Onsite Warranty		Yes	Yes	Yes
2 Additional Yrs. NBD Onsite Warranty				
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME				
Video Adapter Dongle - DVI to VGA			Yes	
Video Adapter Dongle - HDMI to VGA				
Video Adapter Dongle - Display Port to VGA		Yes	Yes	Yes
INFORMATION - MINI TOWER				
Active/Operating - Energy Efficient (Watts)		21	87	40.21
Power Save/Sleep Mode - Energy Efficient (Watts)		1.42	2.5	1.59
EnergyStar Level - Energy Efficient		4	5.2	5.2
ePEAT Level - Energy Efficient		Gold	Gold	Gold
Acoustics (max dB)		36	46.8	26
Dimensions (W x D x H)		6.7 x 17.4 x 15.7	6.9 x 16.4 x 14.2	6.3 x 16.6 x 15.3
Weight (lbs)		20.5	20.7	20.7
Chassis Lock & Cable Loop		Yes	Yes	Yes
INFORMATION - DESKTOP				
Active/Operating - Energy Efficient (Watts)				
Power Save/Sleep Mode - Energy Efficient (Watts)				
EnergyStar Level - Energy Efficient				
ePEAT Level - Energy Efficient				
Acoustics (max dB)				
Dimensions (W x D x H)				
Weight (lbs)				
Chassis Lock & Cable Loop				
INFORMATION - SMALL FORM FACTOR				
Active/Operating - Energy Efficient (Watts)		21	86.3	40.15
Power Save/Sleep Mode - Energy Efficient (Watts)		1.42	1.3	1.6
EnergyStar Level - Energy Efficient		4	5.2	5.2
ePEAT Level - Energy Efficient		Gold	Gold	Gold
Acoustics (max dB)		36	39.8	26
Dimensions (W x D x H)		3.95 x 14.9 x 13.3	3.7 x 12.3 x 11.4	3.9 x 15 x 13.2
Weight (lbs)		16.7	13.2	14.6
Chassis Lock & Cable Loop		Yes	Yes	Yes
INFORMATION - ULTRA SMALL FORM FACTOR				

CONFIGURATION 8 BUSINESS WORKSTATION COMPARISON



Make / Model	BASE SPECIFICATIONS	DELL PRECISION T5610	HP Z620	LENOVO THINKSTATION D30
Contract Cost		\$1,544.28	\$1,549.12	\$1,716.00
Model / Chassis Type	MiniTower	MiniTower	MiniTower	MiniTower
Display				
Processor / Front Side Bus	Intel® Xeon™ E5-2620 V2 (2.1GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable	Intel® Xeon™ E5-2620 V2 (2.1GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable	Intel® Xeon™ E5-2620 V2 (2.1GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable	Intel® Xeon™ E5-2620 V2 (2.1GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit
RAM Standard	6GB DDR3 ECC SDRAM	8GB DDR3 ECC SDRAM	8GB DDR3 ECC SDRAM	6GB DDR3 ECC SDRAM
RAM Maximum		128GB DDR3 ECC	192GB DDR3 ECC	512GB DDR3 ECC
DIMM Slots		8	12	16
Hard Disk	1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s
3.5" Drive Bays (Total / Available)		3 / 1	3 / 2	6 / 4
Removable Storage	16X DVD +/-RW, SATA, DVD Playback/Recording Software	16X DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™	16X DVD +/-RW, SATA	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™
Media Card Slots				8-in-1 Reader
Video Graphics Card	AMD® / nVidia® w/1GB Discrete Dual Monitor Enabled	AMD® FirePro™ V3900 w/1GB	nVidia® NVS™ 315 w/1GB	nVidia® NVS™ 315 w/1GB
Video Outputs		Display Port x 2	DVI x 2	Display Port x 2
Sound Card	High Definition Audio	RealTek® ALC269Q	RealTek® ALC262	RealTek® ALC662
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
PCoIP				
Wireless Interface				
Energy Efficient Power Supply		90% Efficient	90% Efficient	85% Efficient
PCI Slots (Total / Available)		6 / 6	6 / 5	6 / 5
External SATA Connection				
USB Connections (2.0 / 3.0)		Front: 3 x 2.0 & 1 x 3.0 Back: 3 x 2.0 & 3 x 3.0	Front: 1 x 2.0 & 2 x 3.0 Back: 4 x 2.0 & 2 x 3.0	Front: 2 x 3.0 Back: 8 x 2.0 & 2 x 3.0
Firewire Connection				
Parallel Connection (Bi-Direct.)				
Serial Connection (9pin, 16550)		1		1
Bluetooth Interface				
Stereo line-in Connection		1		1
Microphone-in Connection		1	1	1
Speakers/line-out Connection		1	1	1
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Multimedia	USB Business Multimedia	USB Keyboard	USB Keyboard
Intel vPro				Yes
Warranty	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE				
Chassis - Desktop				
Chassis - Small Form Factor				
Chassis - Ultra Small Form Factor				
BIOS Configuration - Boot to Network			Yes	Yes
BIOS Configuration - Boot to Optical Drive			Yes	Yes
Windows 8 Pro 64Bit w/NTFS & 6GB RAM				Windows 8 Pro 64Bit w/NTFS & 8GB RAM
Windows 8 Pro 64Bit w/NTFS & 12GB RAM		Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM
Hard Drive		2TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s
SED Hard Drive			500GB SED Opal	
Solid State Drive		256GB	128GB, 240GB, 256GB, 480GB, 512GB	128GB, 180GB, 256GB
SED Solid State Drive				256GB SED Opal
DVD+/-RW				
Video Graphics Card w/1GB Discrete		AMD® FirePro™ V3900 w/1GB (Dual)		
Video Graphics Card w/2GB Discrete			nVidia® NVS™ 510 w/2GB	nVidia® Quadro™ K2000 w/2GB
Wireless Interface				
Bluetooth Interface				
Intel vPro		Yes		
4 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
5 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
1 Additional Yr. NBD Onsite Warranty		Yes	Yes	Yes
2 Additional Yrs. NBD Onsite Warranty				
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME				
Video Adapter Dongle - DVI to VGA		Yes	Yes	
Video Adapter Dongle - HDMI to VGA				
Video Adapter Dongle - Display Port to VGA		Yes	Yes	Yes
INFORMATION - MINI TOWER				
Active/Operating - Energy Efficient (Watts)		267	398	381.8
Power Save/Sleep Mode - Energy Efficient		7	4.11	96.4
EnergyStar Level - Energy Efficient		N/A	4	4
ePEAT Level - Energy Efficient		Gold	Gold	Gold
Acoustics (max. dB)		44.4	39	33
Dimensions (W x D x H)		6.8 x 18.5 x 16.3	6.75 x 18.3 x 17.5	8.3 x 23.7 x 19.1
Weight (.lbs)		34.6	39.4	60.6
Chassis Lock & Cable Loop		Yes	Yes	Yes
INFORMATION - DESKTOP				
Active/Operating - Energy Efficient (Watts)				
Power Save/Sleep Mode - Energy Efficient				
EnergyStar Level - Energy Efficient				
ePEAT Level - Energy Efficient				
Acoustics (max. dB)				
Dimensions (W x D x H)				
Weight (.lbs)				
Chassis Lock & Cable Loop				
INFORMATION - SMALL FORM FACTOR				
Active/Operating - Energy Efficient (Watts)				
Power Save/Sleep Mode - Energy Efficient				
EnergyStar Level - Energy Efficient				
ePEAT Level - Energy Efficient				
Acoustics (max. dB)				
Dimensions (W x D x H)				
Weight (.lbs)				
Chassis Lock & Cable Loop				
INFORMATION - ULTRA SMALL FORM FACTOR				










CONFIGURATION 9 PERFORMANCE WORKSTATION COMPARISON



Make / Model	BASE SPECIFICATIONS	DELL PRECISION T5610	HP Z620	LENOVO THINKSTATION D30
Contract Cost		\$2,158.32	\$2,167.12	\$2,280.00
Model / Chassis Type	MiniTower	MiniTower	MiniTower	MiniTower
Display				
Processor / Front Side Bus	Intel® Xeon™ E5-2630 V2 (2.6GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable	Intel® Xeon™ E5-2630 V2 (2.6GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable	Intel® Xeon™ E5-2630 V2 (2.6GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable	Intel® Xeon™ E5-2630 V2 (2.6GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit
RAM Standard	12GB DDR3 ECC SDRAM	16GB DDR3 ECC SDRAM	12GB DDR3 ECC SDRAM	16GB DDR3 ECC SDRAM
RAM Maximum		128GB DDR3 ECC	192GB DDR3 ECC	128GB DDR3 ECC
DIMM Slots		8	12	8
Hard Disk	2TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s
3.5" Drive Bays (Total / Available)		3 / 1	3 / 2	6 / 4
Removable Storage	16X DVD +/-RW, SATA, DVD Playback/Recording Software	16X DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™	16X DVD +/-RW, SATA	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™
Media Card Slots				8-in-1 Reader
Video Graphics Card	AMD® / nVidia® w/2GB Discrete Dual Monitor Enabled	AMD® FirePro™ W5000 w/2GB	nVidia® NVS™ 510 w/2GB	nVidia® NVS™ 510 w/2GB
Video Outputs		DVI, Display Port x 2	DVI x 2	DVI, Display Port x 2
Sound Card	High Definition Audio	RealTek® ALC269Q	RealTek® ALC262	RealTek® ALC662
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
PCoIP				
Wireless Interface				
Energy Efficient Power Supply		90% Efficient	90% Efficient	85% Efficient
PCI Slots (Total / Available)		6 / 6	6 / 5	6 / 5
External SATA Connection				
USB Connections (2.0 / 3.0)		Front: 3 x 2.0 & 1 x 3.0 Back: 3 x 2.0 & 3 x 3.0	Front: 1 x 2.0 & 2 x 3.0 Back: 4 x 2.0 & 2 x 3.0	Front: 2 x 3.0 Back: 8 x 2.0 & 2 x 3.0
Firewire Connection				
Parallel Connection (Bi-Direct.)				
Serial Connection (9pin, 16550)		1		1
Bluetooth Interface				
Stereo line-in Connection		1		1
Microphone-in Connection		1	1	1
Speakers/line-out Connection		1	1	1
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Multimedia	USB Business Multimedia	USB Keyboard	USB Keyboard
Intel vPro				Yes
Warranty	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE				
Chassis - Desktop				
Chassis - Small Form Factor				Yes
Chassis - Ultra Small Form Factor	Yes			
BIOS Configuration - Boot to Network			Yes	Yes
BIOS Configuration - Boot to Optical Drive			Yes	Yes
Windows 8 Pro 64Bit w/NTFS & 6GB RAM				Windows 8 Pro 64Bit w/NTFS & 8GB RAM
Windows 8 Pro 64Bit w/NTFS & 12GB RAM		Windows 8 Pro 64Bit w/NTFS & 32GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM
Hard Drive			2TB SATA 6.0Gb/s	
SED Hard Drive			500GB SED Opal	
Solid State Drive		256GB	128GB, 240GB, 256GB, 480GB, 512GB	128GB, 180GB, 256GB
SED Solid State Drive				256GB SED Opal
DVD +/-RW				
Video Graphics Card w/1GB Discrete		AMD® FirePro™ W5000 w/2GB (Dual)		
Video Graphics Card w/2GB Discrete			nVidia® NVS™ 510 w/2GB	
Wireless Interface				
Bluetooth Interface				
Intel vPro		Yes		
4 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
5 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes
1 Additional Yr. NBD Onsite Warranty		Yes	Yes	Yes
2 Additional Yrs. NBD Onsite Warranty				
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME				
Video Adapter Dongle - DVI to VGA		Yes	Yes	
Video Adapter Dongle - HDMI to VGA				
Video Adapter Dongle - Display Port to VGA		Yes	Yes	Yes
INFORMATION - MINI TOWER				
Active/Operating - Energy Efficient (Watts)		267	398	381.8
Power Save/Sleep Mode - Energy Efficient (Watts)		7	4.11	96.4
EnergyStar Level - Energy Efficient		N/A	4	4
ePEAT Level - Energy Efficient		Gold	Gold	Gold
Acoustics (max. dB)		44.4	39	33
Dimensions (W x D x H)		6.8 x 18.5 x 16.3	6.75 x 18.3 x 17.5	8.3 x 23.7 x 19.1
Weight (.lbs)		34.6	39.4	60.6
Chassis Lock & Cable Loop		Yes	Yes	Yes
INFORMATION - DESKTOP				
Active/Operating - Energy Efficient (Watts)				
Power Save/Sleep Mode - Energy Efficient (Watts)				
EnergyStar Level - Energy Efficient				
ePEAT Level - Energy Efficient				
Acoustics (max. dB)				
Dimensions (W x D x H)				
Weight (.lbs)				
Chassis Lock & Cable Loop				
INFORMATION - SMALL FORM FACTOR				
Active/Operating - Energy Efficient (Watts)				212.6
Power Save/Sleep Mode - Energy Efficient (Watts)				76.1
EnergyStar Level - Energy Efficient				4
ePEAT Level - Energy Efficient				Gold
Acoustics (max. dB)				36
Dimensions (W x D x H)				5.1 x 17.5 x 16.8
Weight (.lbs)				40.7
Chassis Lock & Cable Loop				Yes
INFORMATION - ULTRA SMALL FORM FACTOR				








DELL COMPUTER COMPARISON

**EnPointe
Technologies
MA-IS-1540015**

	CONFIGURATION 1 ZERO THIN CLIENT	CONFIGURATION 2 BUSINESS THIN CLIENT	CONFIGURATION 3 PERFORMANCE THIN CLIENT	CONFIGURATION 4 BUSINESS ALL-IN-ONE	CONFIGURATION 5 PERFORMANCE ALL-IN-ONE	CONFIGURATION 6 BUSINESS COMPUTER	CONFIGURATION 7 PERFORMANCE COMPUTER	CONFIGURATION 8 BUSINESS WORKSTATION	CONFIGURATION 9 PERFORMANCE WORKSTATION
									
Make / Model	DELL P25	DELL D90D7	DELL Z90D7	DELL OPTIPLEX 9020 AIO	DELL OPTIPLEX 9020 AIO	DELL OPTIPLEX 3020	DELL OPTIPLEX 9020	DELL PRECISION T5610	DELL PRECISION T5610
Contract Cost	\$252.00	\$278.00	\$420.00	\$1,054.00	\$1,234.00	\$534.00	\$753.00	\$1,544.28	\$2,158.32
Model / Chassis Type	Ultra Small Form Factor	Ultra Small Form Factor	Ultra Small Form Factor	Integrated w/Monitor	Integrated w/Monitor	MiniTower	MiniTower	MiniTower	MiniTower
Display				23 Inch WLED-HD Touchscreen	23 Inch WLED-HD Touchscreen				
Processor / Front Side Bus	Teradici® TERA™ 2321	AMD® G-Series™ T48E (1.4GHz, 512K, 2 Core)	AMD® G-Series™ T56N (1.65GHz, 512K, 2 Core)	Intel® i5™ 4570S (2.90GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i7™ 4770S (3.10GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® i5™ 4570 (3.20GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i7™ 4770 (3.40GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® Xeon™ E5-2620 V2 (2.1GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable	Intel® Xeon™ E5-2630 V2 (2.6GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable
BIOS Configuration	Boot to Flash	Boot to Flash	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	N/A	Windows Embedded Standard 7	Windows Embedded Standard 7	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit
RAM Standard	512MB DDR3 RAM, 32MB Flash	2GB DDR3 RAM, 16GB Flash	4GB DDR3	4GB DDR3L Non-ECC SDRAM	4GB DDR3L Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	8GB DDR3 ECC SDRAM	16GB DDR3 ECC SDRAM
RAM Maximum	32MB Flash	4GB DDR3	4GB DDR3	16GB DDR3L	16GB DDR3L	16GB DDR3	32GB DDR3	128GB DDR3 ECC	128GB DDR3 ECC
DIMM Slots		1	1	2	2	2	4	8	8
Hard Disk			60GB Solid State	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s
3.5" Drive Bays (Total / Available)		1 / 0		1 / 0	1 / 0	2 / 1	2 / 1	3 / 1	3 / 1
Removable Storage				8X Slimline DVD-ROM, SATA, Cyberlink® Media Suite Essentials™ 8-in-1 Reader	8X Slimline DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™ 8-in-1 Reader	16X DVD-ROM, SATA, Cyberlink® Media Suite Essentials™	16X DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™	16X DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™	16X DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™
Media Card Slots									
Video Graphics Card	RealTek® ALC262-V2	AMD® Radeon™ HD 6320	AMD® Radeon™ HD 6320	Intel® HD Graphics 4600	AMD® Radeon™ HD 8750 w/2GB	Intel® HD Graphics 4600	AMD® Radeon™ HD 8490 w/1GB	AMD® FirePro™ V3900 w/1GB	AMD® FirePro™ W5000 w/2GB
Video Outputs	DVI, Display Port, VGA via included DVI to VGA Cable	DVI, Display Port, VGA via included DVI to VGA Cable	DVI, Display Port, VGA via included DVI to VGA Cable	VGA, HDMI	VGA, HDMI	VGA, Display Port	DVI, Display Port	Display Port x 2	DVI, Display Port x 2
Sound Card	RealTek® High Definition	RealTek® ALC690-VB6-CGT Full Duplex	RealTek® ALC690-VB6-CGT Full Duplex	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	RealTek® ALC269Q	RealTek® ALC269Q
Network Interface	Gigabit LAN 10/100/1000	Gigabit LAN 10/100/1000	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
PCoIP	Yes	Yes	Yes						
Wireless Interface									
Energy Efficient Power Supply				90% Efficient	90% Efficient	90% Efficient	90% Efficient	90% Efficient	90% Efficient
PCI Slots (Total / Available)		1 / 0 Mini PCIe		1 / 0 Mini PCIe	1 / 0 Mini PCIe	4 / 4	6 / 3	6 / 6	6 / 6
External SATA Connection									
USB Connections (2.0 / 3.0)	Front: 2 x 2.0 Back: 2 x 2.0	Front: 2 x 2.0 Back: 2 x 2.0	Front: 2 x 2.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 2.0 & 2 x 3.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 2.0 & 2 x 3.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 2.0 Back: 4 x 2.0 & 2 x 3.0	Front: 2 x 2.0 Back: 4 x 2.0 & 2 x 3.0	Front: 3 x 2.0 & 1 x 3.0 Back: 3 x 2.0 & 3 x 3.0	Front: 3 x 2.0 & 1 x 3.0 Back: 3 x 2.0 & 3 x 3.0
Firewire Connection									
Parallel Connection (Bi-Directional)									
Serial Connection (spin, 16550)								1	1
Bluetooth Interface									
Stereo line-in Connection	1	1	1	1	1	1	1	1	1
Microphone-in Connection	1	1	1	1	1	1	1	1	1
Speakers/line-out Connection	1	Internal Mono Speaker	1	1	1	1	1	1	1
Mouse	PS/2 2-Button Optical w/Scroll Connected to Keyboard	PS/2 2-Button Optical w/Scroll Connected to Keyboard	PS/2 2-Button Optical w/Scroll Connected to Keyboard	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Enhanced	USB Enhanced	USB Enhanced	USB QuietKey	USB QuietKey	USB QuietKey	USB QuietKey	USB Business Multimedia	USB Business Multimedia
Intel vPro									
Warranty	3 Year Depot Service	3 Year Depot Service	3 Year Depot Service	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE									
Chassis - Desktop						Yes	Yes		
Chassis - Small Form Factor							Yes		
BIOS Configuration - Boot to Network									
BIOS Configuration - Boot to Optical Drive									
Windows 8 Pro 64Bit w/NTFS & 8GB RAM				Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM
Windows 8 Pro 64Bit w/NTFS & 16GB RAM				Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM
Hard Drive				1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s
SED Hard Drive				500GB SED Opal	500GB SED Opal		500GB SED Opal		
Solid State Drive				128GB	128GB	128GB	128GB, 256GB	256GB	256GB
SED Solid State Drive									
DVD +/-RW				8X Slimline DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™		16X DVD +/-RW, SATA, Cyberlink® Media Suite Essentials™			
Video Graphics Card w/1GB Discrete						AMD® Radeon™ HD 8490 w/1GB		AMD® FirePro™ V3900 w/1GB (Dual)	AMD® FirePro™ W5000 w/2GB (Dual)
Video Graphics Card w/2GB Discrete									
Wireless Interface				AMD® Radeon™ HD 8750 w/2GB Yes (a/g/n), includes Bluetooth 4.0	AMD® Radeon™ HD 8750 w/2GB Yes (a/g/n), includes Bluetooth 4.0	Yes (a/n)	Yes (a/n)		
Bluetooth Interface				Yes (4.0), includes Wireless	Yes (4.0), includes Wireless				
Intel vPro							Yes	Yes	Yes
4 Yr. CompuTrace® BIOS Tracking				Yes	Yes	Yes	Yes	Yes	Yes
5 Yr. CompuTrace® BIOS Tracking				Yes	Yes	Yes	Yes	Yes	Yes
1 Additional Yr. NBD Onsite Warranty	Yes, Depot Service	Yes, Depot Service	Yes, Depot Service	Yes	Yes	Yes	Yes	Yes	Yes
2 Additional Yrs. NBD Onsite Warranty	Yes, Depot Service	Yes, Depot Service	Yes, Depot Service	Yes	Yes	Yes	Yes	Yes	Yes
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME									
Video Adapter Dongle - DVI to VGA	Yes	Yes	Yes			Yes	Yes	Yes	Yes
Video Adapter Dongle - HDMI to VGA									
Video Adapter Dongle - Display Port to VGA	Yes	Yes	Yes			Yes	Yes	Yes	Yes
INFORMATION - MINI TOWER									
Active/Operating - Energy Efficient (watts)						88.8	87	267	267
Power Save/Sleep Mode - Energy Efficient (watts)						2.3	2.5	7	7
EnergyStar Level - Energy Efficient						5.2	5.2	N/A	N/A
ePEAT Level - Energy Efficient						Gold	Gold	Gold	Gold
Acoustics (max. dB)						45.6	46.8	44.4	44.4
Dimensions (W x D x H)						6.9 x 16.4 x 14.2	6.9 x 16.4 x 14.2	6.8 x 18.5 x 16.3	6.8 x 18.5 x 16.3
Weight (lbs)						20.7	20.7	34.6	34.6
Chassis Lock & Cable Loop						Yes	Yes	Yes	Yes
INFORMATION - DESKTOP									
Active/Operating - Energy Efficient (watts)				99	99				
Power Save/Sleep Mode - Energy Efficient (watts)				2.3	2.3				
EnergyStar Level - Energy Efficient				5.2	5.2				
ePEAT Level - Energy Efficient				Gold	Gold				
Acoustics (max. dB)				34.3	34.3				
Dimensions (W x D x H)				22.6 x 2.8 x 15.2	22.6 x 2.8 x 15.2				
Weight (lbs)				26.1	26.1				
Chassis Lock & Cable Loop				Yes	Yes				
INFORMATION - SMALL FORM FACTOR									
Active/Operating - Energy Efficient (watts)						78.15	86.3		
Power Save/Sleep Mode - Energy Efficient (watts)						1.36	1.3		
EnergyStar Level - Energy Efficient						5.2	5.2		
ePEAT Level - Energy Efficient						Gold	Gold		
Acoustics (max. dB)						37.8	39.8		
Dimensions (W x D x H)						3.7 x 12.3 x 11.4	3.7 x 12.3 x 11.4		
Weight (lbs)						13.2	13.2		
Chassis Lock & Cable Loop						Yes	Yes		
INFORMATION - ULTRA SMALL FORM FACTOR									

HP COMPUTER COMPARISON

**Broadway
Typewriter
/ Arey Jones
MA-IS-1540012**

	CONFIGURATION 1 ZERO THIN CLIENT	CONFIGURATION 2 BUSINESS THIN CLIENT	CONFIGURATION 3 PERFORMANCE THIN CLIENT	CONFIGURATION 4 BUSINESS ALL-IN-ONE	CONFIGURATION 5 PERFORMANCE ALL-IN-ONE	CONFIGURATION 6 BUSINESS COMPUTER	CONFIGURATION 7 PERFORMANCE COMPUTER	CONFIGURATION 8 BUSINESS WORKSTATION	CONFIGURATION 9 PERFORMANCE WORKSTATION
									
Make / Model	HP T310			HP PRODESK 600 AIO	HP ELITEONE 800 G1 AIO	HP PRODESK 600 G1	HP PRODESK 600 G1	HP Z620	HP Z620
Contract Cost	\$329.60			\$787.95	\$1,171.11	\$580.92	\$719.97	\$1,549.12	\$2,167.12
Model / Chassis Type	Ultra Small Form Factor			Integrated w/Monitor	Integrated w/Monitor	MiniTower	MiniTower	MiniTower	MiniTower
Display				20 Inch Widescreen Non-Touchscreen	23 Inch Widescreen Touchscreen				
Processor / Front Side Bus	Teradici® TERA™ 2321			Intel® i5™ 4570S (2.90GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i7™ 4770S (3.10GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® i5™ 4570 (3.20GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i7™ 4770 (3.40GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® Xeon™ E5-2620 V2 (2.1GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable	Intel® Xeon™ E5-2630 V2 (2.6GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable
BIOS Configuration	Boot to Flash			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	N/A			Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 32Bit w/NTFS Downgradable to Windows 7 Pro 32Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit
RAM Standard	512MB DDR3 RAM			4GB DDR3 Non-ECC SDRAM	4GB DDR3L Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	8GB DDR3 ECC SDRAM	12GB DDR3 ECC SDRAM
RAM Maximum	512MB DDR3 RAM			16GB DDR3	16GB DDR3L	32GB DDR3	32GB DDR3	192GB DDR3 ECC	192GB DDR3 ECC
DIMM Slots	1			2	2	4	4	12	12
Hard Disk				500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s
3.5" Drive Bays (Total / Available)				1 / 0	1 / 0	2 / 1	2 / 1	3 / 2	3 / 2
Removable Storage				8X Slimline DVD-ROM, SATA	8X Slimline DVD-ROM, SATA	8X Slimline DVD-ROM, SATA	8X Slimline DVD +/-RW, SATA	16X DVD +/-RW, SATA	16X DVD +/-RW, SATA
Media Card Slots									
Video Graphics Card	VESA Dual Monitor			Intel® HD Graphics 4600	AMD® Radeon™ HD 7650A w/2GB Display Port	Intel® HD Graphics 4600	AMD® Radeon™ HD 8350 w/1GB VGA, Display Port x 2	nVidia® NVS™ 315 w/1GB DVI x 2	nVidia® NVS™ 510 w/2GB DVI x 2
Video Outputs	DVI x 2, Display Port x 2			Display Port	Display Port	VGA, Display Port x 2	VGA, Display Port x 2	DVI x 2	DVI x 2
Sound Card	RealTek® High Definition			RealTek® ALC3228	RealTek® ALC3228	RealTek® ALC221	RealTek® ALC221	RealTek® ALC262	RealTek® ALC262
Network Interface	RealTek® 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
PCoIP	Yes								
Wireless Interface									
Energy Efficient Power Supply				87% Efficient	93% Efficient	87% Efficient	87% Efficient	90% Efficient	90% Efficient
PCI Slots (Total / Available)				0 / 0	1 / 0 Mini PCIe	0 / 0	0 / 0	6 / 5	6 / 5
External SATA Connection									
USB Connections (2.0 / 3.0)	Front: 2 x 2.0 Back: 2 x 2.0			Front: 2 x 2.0 & 2 x 3.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 2.0 & 2 x 3.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 2.0 & 2 x 3.0 Back: 4 x 2.0 & 2 x 3.0	Front: 2 x 2.0 & 2 x 3.0 Back: 4 x 2.0 & 2 x 3.0	Front: 1 x 2.0 & 2 x 3.0 Back: 4 x 2.0 & 2 x 3.0	Front: 1 x 2.0 & 2 x 3.0 Back: 4 x 2.0 & 2 x 3.0
Firewire Connection									
Parallel Connection (Bi-Directional)									
Serial Connection (Spin, 16550)				1	1	1	1		
Bluetooth Interface									
Stereo line-in Connection	1								
Microphone-in Connection	1			1	1	1	1	1	1
Speakers/line-out Connection	1			1	1	1	1	1	1
Mouse	USB 2-Button Optical w/Scroll			USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Standard			USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard
Intel vPro									
Warranty	3 Year Depot Service			4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE									
Chassis - Desktop						Yes	Yes		
Chassis - Small Form Factor									
Chassis - Ultra Small Form Factor									
BIOS Configuration - Boot to Network				Yes	Yes	Yes	Yes	Yes	Yes
BIOS Configuration - Boot to Optical Drive				Yes	Yes	Yes	Yes	Yes	Yes
Windows 8 Pro 64Bit w/NTFS & 6GB RAM				Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM
Windows 8 Pro 64Bit w/NTFS & 12GB RAM				Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM
Hard Drive				1TB SATA 6.0Gb/s	500GB/8GB Flash	1TB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s
SED Hard Drive				500GB SED Opal	500GB SED Opal	500GB SED Opal	500GB SED Opal	500GB SED Opal	500GB SED Opal
Solid State Drive				128GB	128GB	128GB	128GB, 256GB	128GB, 240GB, 256GB, 480GB, 512GB	128GB, 240GB, 256GB, 480GB, 512GB
SED Solid State Drive				128GB, 256GB SED Opal2	128GB, 256GB SED Opal2	128GB, 256GB SED Opal2	128GB, 256GB SED Opal2		
DVD+/-RW				8X Slimline DVD +/-RW, SATA		8X Slimline DVD +/-RW, SATA			
Video Graphics Card w/1GB Discrete						AMD® Radeon™ HD 8350 w/1GB			
Video Graphics Card w/2GB Discrete				AMD® Radeon™ HD 7650A w/2GB	AMD® Radeon™ HD 7650A w/2GB	AMD® Radeon™ HD 8350 w/1GB	AMD® Radeon™ HD 8350 w/1GB	nVidia® NVS™ 510 w/2GB	nVidia® NVS™ 510 w/2GB
Wireless Interface				Yes (a/b/g/n), includes Bluetooth 4.0	Yes (a/b/g/n), includes Bluetooth 4.0	Yes (a/b/g/n)	Yes (a/b/g/n)		
Bluetooth Interface				Yes (4.0), includes Wireless	Yes (4.0), includes Wireless				
Intel vPro									
4 Yr. CompuTrace® BIOS Tracking				Yes	Yes	Yes	Yes	Yes	Yes
5 Yr. CompuTrace® BIOS Tracking				Yes	Yes	Yes	Yes	Yes	Yes
1 Additional Yr. NBD Onsite Warranty	Yes, Depot Service			Yes	Yes	Yes	Yes	Yes	Yes
2 Additional Yrs. NBD Onsite Warranty	Yes, Depot Service								
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME									
Video Adapter Dongle - DVI to VGA								Yes	Yes
Video Adapter Dongle - HDMI to VGA									
Video Adapter Dongle - Display Port to VGA	Yes			Yes	Yes	Yes	Yes	Yes	Yes
INFORMATION - MINI TOWER									
Active/Operating - Energy Efficient (Watts)						21	21	398	398
Power Save/Sleep Mode - Energy Efficient (Watts)						1.42	1.42	4.11	4.11
EnergyStar Level - Energy Efficient						4	4	4	4
ePEAT Level - Energy Efficient						Gold	Gold	Gold	Gold
Acoustics (max. dB)						36	36	39	39
Dimensions (W x D x H)						6.7 x 17.4 x 15.7	6.7 x 17.4 x 15.7	6.75 x 18.3 x 17.5	6.75 x 18.3 x 17.5
Weight (lbs)						20.5	20.5	39.4	39.4
Chassis Lock & Cable Loop						Yes	Yes	Yes	Yes
INFORMATION - DESKTOP									
Active/Operating - Energy Efficient (Watts)				21.64	21.64				
Power Save/Sleep Mode - Energy Efficient (Watts)				1.7	1.7				
EnergyStar Level - Energy Efficient				4	4				
ePEAT Level - Energy Efficient				Gold	Gold				
Acoustics (max. dB)				34	34				
Dimensions (W x D x H)				20.5 x 7.7 x 16.8	22 x 6 x 17.2				
Weight (lbs)				22.2	24.5				
Chassis Lock & Cable Loop				Yes	Yes				
INFORMATION - SMALL FORM FACTOR									
Active/Operating - Energy Efficient (Watts)						21	21		
Power Save/Sleep Mode - Energy Efficient (Watts)						1.42	1.42		
EnergyStar Level - Energy Efficient						4	4		
ePEAT Level - Energy Efficient						Gold	Gold		
Acoustics (max. dB)						36	36		
Dimensions (W x D x H)						3.95 x 14.9 x 13.3	3.95 x 14.9 x 13.3		
Weight (lbs)						16.7	16.7		
Chassis Lock & Cable Loop						Yes	Yes		
INFORMATION - ULTRA SMALL FORM FACTOR									

LENOVO COMPUTER COMPARISON

**Technology
Integration Group**
MA-IS-1540009

	CONFIGURATION 1 ZERO THIN CLIENT	CONFIGURATION 2 BUSINESS THIN CLIENT	CONFIGURATION 3 PERFORMANCE THIN CLIENT	CONFIGURATION 4 BUSINESS ALL-IN-ONE	CONFIGURATION 5 PERFORMANCE ALL-IN-ONE	CONFIGURATION 6 BUSINESS COMPUTER	CONFIGURATION 7 PERFORMANCE COMPUTER	CONFIGURATION 8 BUSINESS WORKSTATION	CONFIGURATION 9 PERFORMANCE WORKSTATION
Make / Model	LENOVO VXL	LENOVO THINKCENTRE M32	LENOVO THINKCENTRE M73	LENOVO THINKCENTRE EDGE 93Z AIO	LENOVO THINKCENTRE EDGE 93Z AIO	LENOVO THINKCENTRE M73	LENOVO THINKCENTRE M73	LENOVO THINKSTATION D30	LENOVO THINKSTATION D30
Contract Cost	\$357.00	\$255.00	\$383.00	\$1,069.00	\$1,202.00	\$665.00	\$822.00	\$1,716.00	\$2,280.00
Model / Chassis Type	Ultra Small Form Factor	Ultra Small Form Factor	Ultra Small Form Factor	Integrated w/Monitor 21.5 Inch Touchscreen	Integrated w/Monitor 23 Inch Touchscreen	MiniTower	MiniTower	MiniTower	MiniTower
Processor / Front Side Bus	Teradici® TERA™ 2321	Intel® Celeron™ 947 (1.1GHz, 2M, 2 Core, 5GT/s)	Intel® Celeron™ G1820T (2.4GHz, 2M, 2 Core, 2 Thread, 5GT/s)	Intel® i5™ 4570S (2.90GHz, 6M, 4 Thread, 5GT/s)	Intel® i7™ 4770S (3.10GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® i5™ 4570 (3.20GHz, 6M, 4 Core, 4 Thread, 5GT/s)	Intel® i7™ 4770 (3.40GHz, 8M, 4 Core, 8 Thread, 5GT/s)	Intel® Xeon™ E5-2620 V2 (2.1GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable	Intel® Xeon™ E5-2630 V2 (2.6GHz, 15M, 6 Core, 12 Thread, 7.2GT/s) Dual Processor Capable
BIOS Configuration	Boot to Flash	Boot to Flash	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	N/A	LeTOS- Linux ICA, PCoIP, RDP	Windows Embedded Standard 7	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit	Windows 8.1 Pro 64Bit w/NTFS Downgradable to Windows 7 Pro 64Bit
RAM Standard	512MB DDR2 RAM	2GB DDR2 RAM, 1GB Flash	4GB DDR2	4GB DDR3 Non-ECC SDRAM	4GB DDR3L Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	4GB DDR3 Non-ECC SDRAM	8GB DDR3 ECC SDRAM	16GB DDR3 ECC SDRAM
RAM Maximum	512MB DDR2 RAM	4GB DDR2	4GB DDR2	16GB DDR3	16GB DDR3L	16GB DDR3	16GB DDR3	512GB DDR3 ECC	128GB DDR3 ECC
DIMM Slots	1	1	2	2	2	2	2	16	8
Hard Disk			500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	250GB SATA 6.0Gb/s	500GB SATA 6.0Gb/s	1TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s
3.5" Drive Bays (Total / Available)			1 / 1	0 / 0	2 / 0	2 / 0	6 / 4	6 / 4	6 / 4
Removable Storage				16X DVD +/-RW, SATA, Cyberlink® PowerDVD™	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™	16X DVD-ROM, SATA	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™	16X DVD +/-RW, SATA, Cyberlink® PowerDVD™
Media Card Slots							8-in-1 Reader	8-in-1 Reader	8-in-1 Reader
Video Graphics Card	VESA Dual Monitor	Intel® HD	Intel® HD	Intel® HD Graphics 4600	Intel® HD Graphics 4600	Intel® HD Graphics 4600	nVidia® GeForce™ GT 620 w/1GB	nVidia® NVS™ 315 w/1GB	nVidia® NVS™ 510 w/2GB
Video Outputs	DVI x 2	VGA, Display Port	VGA, Display Port	HDMI	Display Port	VGA, Display Port	VGA, Display Port	DVI, Display Port x 2	DVI, Display Port x 2
Sound Card	Realtek® High Definition	Realtek® ALC662-VD	Realtek® ALC662	High Definition Audio	Realtek® ALC283CG	Realtek® ALC662	Realtek® ALC662	Realtek® ALC662	Realtek® ALC662
Network Interface	Gigabit LAN 10/100/1000	Realtek® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Realtek® Gigabit LAN 10/100/1000	Realtek® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000	Intel® Gigabit LAN 10/100/1000
PCoIP	Yes	Yes	Yes						
Wireless Interface									
Energy Efficient Power Supply				92% Efficient	85% Efficient	85% Efficient	85% Efficient	85% Efficient	85% Efficient
PCI Slots (Total / Available)			1 / 1	0 / 0	0 / 0	3 / 3	3 / 3	6 / 5	6 / 5
External SATA Connection									
USB Connections (2.0 / 3.0)	Front: 2 x 2.0 Back: 2 x 2.0	Front: 4 x 2.0 Back: 2 x 2.0	Front: 2 x 3.0 Back: 3 x 2.0	Front: 2 x 3.0 Back: 4 x 2.0	Front: 2 x 3.0 Back: 4 x 2.0	Front: 2 x 2.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 2.0 Back: 2 x 2.0 & 2 x 3.0	Front: 2 x 3.0 Back: 8 x 2.0 & 2 x 3.0	Front: 2 x 3.0 Back: 8 x 2.0 & 2 x 3.0
Firewire Connection									
Parallel Connection (Bi-Direct.)		1							
Serial Connection (Spin, 16550)		1						1	1
Bluetooth Interface									
Stereo line-in Connection		1	1	1	1	1	1	1	1
Microphone-in Connection	1	1	1	1	1	1	1	1	1
Speakers/line-out Connection	1	Internal Mono Speaker	1	1	1	1	1	1	1
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll
Keyboard	USB Multimedia	USB Multimedia	USB Multimedia	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard	USB Keyboard
Intel vPro								Yes	Yes
Warranty	3 Year Depot Service	3 Year Depot Service	3 Year Depot Service	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive	4 Year NBD Onsite Service Keep Your Hard Drive
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE									
Chassis - Desktop									
Chassis - Small Form Factor						Yes	Yes		Yes
Chassis - Ultra Small Form Factor						Yes	Yes		Yes
BIOS Configuration - Boot to Network		Yes			Yes		Yes	Yes	Yes
BIOS Configuration - Boot to Optical Drive					Yes		Yes	Yes	Yes
Windows 8 Pro 64Bit w/NTFS & 8GB RAM				Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM	Windows 8 Pro 64Bit w/NTFS & 8GB RAM
Windows 8 Pro 64Bit w/NTFS & 12GB RAM				Windows 8 Pro 64Bit w/NTFS & 12GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM	Windows 8 Pro 64Bit w/NTFS & 16GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM	Windows 8 Pro 64Bit w/NTFS & 12GB RAM
Hard Drive				1TB SATA 6.0Gb/s	1TB, 2TB SATA 6.0Gb/s	500GB, 1TB, 2TB SATA 6.0Gb/s	1TB, 2TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s	2TB SATA 6.0Gb/s
SED Hard Drive					320GB SED Opal	320GB SED Opal	320GB SED Opal		
Solid State Drive				128GB, 180GB, 256GB	128GB, 180GB, 256GB	128GB, 180GB, 256GB	128GB, 180GB, 256GB	128GB, 180GB, 256GB	128GB, 180GB, 256GB
SED Solid State Drive						16X DVD +/-RW, SATA, Cyberlink® PowerDVD™			
DVD+/-RW						16X DVD +/-RW, SATA, Cyberlink® PowerDVD™			
Video Graphics Card w/1GB Discrete				nVidia® GeForce™ GT 720A w/1GB		nVidia® GeForce™ GT 620 w/1GB			
Video Graphics Card w/2GB Discrete						AMD® Radeon™ HD 8570 w/2GB			
Wireless Interface				Yes (a/b/g/n), includes Bluetooth 4.0	Yes (a/b/g/n), includes Bluetooth 4.0	Yes (a/b/g/n), includes Bluetooth 4.0	Yes (a/b/g/n), includes Bluetooth 4.0		
Bluetooth Interface				Yes (4.0), includes Wireless	Yes (4.0), includes Wireless	Yes, includes Wireless	Yes, includes Wireless		
Intel vPro								Yes	Yes
4 Yr. CompuTrace® BIOS Tracking		3 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes	Yes	Yes	Yes
5 Yr. CompuTrace® BIOS Tracking		4 Yr. CompuTrace® BIOS Tracking		Yes	Yes	Yes	Yes	Yes	Yes
1 Additional Yr. NBD Onsite Warranty		Yes, Depot Service		Yes	Yes	Yes	Yes	Yes	Yes
2 Additional Yrs. NBD Onsite Warranty		Yes, Depot Service							
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME									
Video Adapter Dongle - DVI to VGA									
Video Adapter Dongle - HDMI to VGA									
Video Adapter Dongle - Display Port to VGA		Yes		Yes	Yes	Yes	Yes	Yes	Yes
INFORMATION - MINI TOWER									
Active/Operating - Energy Efficient (watts)						40.21	40.21	381.8	381.8
Power Save/Sleep Mode - Energy Efficient (watts)						1.59	1.59	96.4	96.4
EnergyStar Level - Energy Efficient						5.2	5.2	4	4
ePEAT Level - Energy Efficient						Gold	Gold	Gold	Gold
Acoustics (max. dB)						26	26	33	33
Dimensions (W x D x H)						6.3 x 16.6 x 15.3	6.3 x 16.6 x 15.3	8.3 x 23.7 x 19.1	8.3 x 23.7 x 19.1
Weight (lbs)						20.7	20.7	60.6	60.6
Chassis Lock & Cable Loop						Yes	Yes	Yes	Yes
INFORMATION - DESKTOP									
Active/Operating - Energy Efficient (watts)				18.16	8.05				
Power Save/Sleep Mode - Energy Efficient (watts)				1.14	0.81				
EnergyStar Level - Energy Efficient				5.2	5.2				
ePEAT Level - Energy Efficient				Silver	Gold				
Acoustics (max. dB)				22.9	24				
Dimensions (W x D x H)				21 x 1.95 x 15	22.4 x 3.7 x 17.6				
Weight (lbs)				16.31	24.7				
Chassis Lock & Cable Loop				Yes	Yes				
INFORMATION - SMALL FORM FACTOR									
Active/Operating - Energy Efficient (watts)						40.15	40.15		212.6
Power Save/Sleep Mode - Energy Efficient (watts)						1.6	1.6		76.1
EnergyStar Level - Energy Efficient						5.2	5.2		4
ePEAT Level - Energy Efficient						Gold	Gold		Gold
Acoustics (max. dB)						26	26		36
Dimensions (W x D x H)						3.9 x 15 x 13.2	3.9 x 15 x 13.2		5.1 x 17.5 x 16.8
Weight (lbs)						14.6	14.6		40.7
Chassis Lock & Cable Loop						Yes	Yes		Yes
INFORMATION - ULTRA SMALL FORM FACTOR									

SAMSUNG COMPUTER COMPARISON

**Technology
Integration Group**
MA-IS-1540006



	CONFIGURATION 1 ZERO THIN CLIENT	CONFIGURATION 2 BUSINESS THIN CLIENT	CONFIGURATION 3 PERFORMANCE THIN CLIENT	CONFIGURATION 4 BUSINESS ALL-IN-ONE	CONFIGURATION 5 PERFORMANCE ALL-IN-ONE	CONFIGURATION 6 BUSINESS COMPUTER	CONFIGURATION 7 PERFORMANCE COMPUTER	CONFIGURATION 8 BUSINESS WORKSTATION	CONFIGURATION 9 PERFORMANCE WORKSTATION
Make / Model	SAMSUNG NX-N2								
Contract Cost	\$299.00								
Model / Chassis Type	Ultra Small Form Factor								
Display									
Processor / Front Side Bus	Teradici® TERA™ 2321								
BIOS Configuration	Boot to Flash								
Operating System	N/A								
RAM Standard	512MB DDR3 RAM, 32MB Flash								
RAM Maximum									
DIMM Slots									
Hard Disk									
3.5" Drive Bays (Total / Available)									
Removable Storage									
Media Card Slots									
Video Graphics Card	VESA Dual Monitor								
Video Outputs	DVI, Display Port								
Sound Card	RealTek® ALC886								
Network Interface	RealTek® Gigabit LAN 10/100/1000								
PCoIP	Yes								
Wireless Interface									
Energy Efficient Power Supply									
PCI Slots (Total / Available)									
External SATA Connection									
USB Connections (2.0 / 3.0)	Front: 4 x 2.0 & 2 x 3.0 Back: 2 x 2.0								
Firewire Connection									
Parallel Connection (Bi-Directional)									
Serial Connection (9pin, 16550)									
Bluetooth Interface									
Stereo line-in Connection	1								
Microphone-in Connection	1								
Speakers/line-out Connection	1								
Mouse	Wireless 3-Button Optical								
Keyboard	Wireless Compact Keyboard								
Intel vPro									
Warranty	3 Year Depot Service								
UPGRADE OPTIONS - ORDERED AT INITIAL PURCHASE									
Chassis - Desktop	Integrated with 21.5 inch Monitor								
Chassis - Small Form Factor									
Chassis - Ultra Small Form Factor									
BIOS Configuration - Boot to Network									
BIOS Configuration - Boot to Optical Drive									
Windows 8 Pro 64Bit w/NTFS & 6GB RAM									
Windows 8 Pro 64Bit w/NTFS & 12GB RAM									
Hard Drive									
SED Hard Drive									
Solid State Drive									
SED Solid State Drive									
DVD+/-RW									
Video Graphics Card w/1GB Discrete									
Video Graphics Card w/2GB Discrete									
Wireless Interface									
Bluetooth Interface									
Intel vPro									
4 Yr. CompuTrace® BIOS Tracking									
5 Yr. CompuTrace® BIOS Tracking									
1 Additional Yr. NBD Onsite Warranty									
2 Additional Yrs. NBD Onsite Warranty									
ACCESSORY OPTIONS - ORDERED AT INITIAL PURCHASE OR AT A LATER TIME									
Video Adapter Dongle - DVI to VGA									
Video Adapter Dongle - HDMI to VGA									
Video Adapter Dongle - Display Port to VGA									
INFORMATION - MINI TOWER									
Active/Operating - Energy Efficient (Watts)									
Power Save/Sleep Mode - Energy Efficient (Watts)									
EnergyStar Level - Energy Efficient									
ePEAT Level - Energy Efficient									
Acoustics (max. dB)									
Dimensions (W x D x H)									
Weight (lbs)									
Chassis Lock & Cable Loop									
INFORMATION - DESKTOP									
Active/Operating - Energy Efficient (Watts)	53.3								
Power Save/Sleep Mode - Energy Efficient (Watts)	2.1								
EnergyStar Level - Energy Efficient	N/A								
ePEAT Level - Energy Efficient	N/A								
Acoustics (max. dB)	1								
Dimensions (W x D x H)	21.8 x 8.8 x 15								
Weight (lbs)	10.8								
Chassis Lock & Cable Loop	Yes								
INFORMATION - SMALL FORM FACTOR									
Active/Operating - Energy Efficient (Watts)									
Power Save/Sleep Mode - Energy Efficient (Watts)									
EnergyStar Level - Energy Efficient									
ePEAT Level - Energy Efficient									
Acoustics (max. dB)									
Dimensions (W x D x H)									
Weight (lbs)									
Chassis Lock & Cable Loop									
INFORMATION - ULTRA SMALL FORM FACTOR									