




OVERALL DESKTOP COST COMPARISON

	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
										
DELL Sterling Computers MA-IS-2140398	No Offering No Offering	No Offering No Offering	No Offering No Offering	No Offering No Offering	OptiPlex 7490 AIO \$1,064.48	OptiPlex 7490 AIO \$1,345.05	OptiPlex 7090 \$683.55	OptiPlex 7090 \$890.96	Precision 7920 \$2,251.31	Precision 7920 \$3,254.58
HP Golden Star Technology MA-IS-2140399	No Offering No Offering	No Offering No Offering	T640 Thin Client \$424.00	T740 Thin Client \$530.00	EliteOne 800 G6 AIO \$931.00	EliteOne 800 G6 AIO \$1,680.00	ProDesk 600 G6 \$648.00	ProDesk 600 G6 \$850.00	Z6 G4 \$1,963.00	Z6 G4 \$2,955.00
LENOVO Technology Integration Group MA-IS-2140400	No Offering No Offering	No Offering No Offering	No Offering No Offering	No Offering No Offering	ThinkCentre M90A AIO \$931.15	ThinkCentre M90A AIO \$1,159.94	ThinkCentre M80T \$712.99	ThinkCentre M80T \$925.83	ThinkStation P720 \$1,963.39	ThinkStation P720 \$2,765.78
MICROSOFT Zones LLC MA-IS-2140401	No Offering No Offering	No Offering No Offering	No Offering No Offering	No Offering No Offering	No Offering No Offering	Surface Studio 2 \$3,526.61	No Offering No Offering	No Offering No Offering	No Offering No Offering	No Offering No Offering

Updated 12/13/2021

CONFIGURATION 1 BUSINESS CHROMEBOX COMPARISON

Features									
		Dell No Offering		HP No Offering		Lenovo No Offering		Microsoft No Offering	
		Product Details		Product Details		Product Details		Product Details	
Base Specifications									
Model /Chassis Type	Brick								
Processor	AMD / Intel Dual Core 1.8GHz								
BIOS Configuration	Boot to Hard Drive								
Operating System	Chrome								
RAM	4GB DDR3 non-ECC								
Hard Disk	32GB eMMC non-OPAL								
Removable Storage									
Video Graphics	HD Graphics								
Sound	High Definition Audio								
Network Interface	Gigabit LAN 10/100/1000								
Wireless Interface	802.11 AC								
Bluetooth Interface	4.2								
EnergyStar Level	7								
ePEAT Level	Bronze								
Mouse	USB 2-Button Optical w/Scroll								
Keyboard	Standard Keyboard								
Warranty	3 Year Depot Service								
RAM Maximum									
USB Ports - Front (2.0 / 3.0 / C)									
USB Ports - Rear (2.0 / 3.0 / C)									
Maximum Support Video Resolution									
VGA Out									
HDMI Out									
DisplayPort Out									
Stereo line-in Connection									
Microphone-in Connection									
Speakers/line-out Connection									
Active/Operating (Watts)									
Power Save/Sleep Mode (Watts)									
Acoustics (max. dB)									
Dimensions (inches W x D x H)									
Weight (lbs.)									
Chassis Lock & Cable Loop									
UPGRADE OPTIONS (to be ordered at initial purchase)									
Operating System	Chrome Enterprise Management								
RAM	8GB non-ECC								
RAM	16GB non-ECC								
RAM	32GB non-ECC								
RAM	64GB non-ECC								
Solid State Drive	64GB eMMC non-OPAL								
Solid State Drive	64GB PCIe non-OPAL								
Solid State Drive	128GB PCIe non-OPAL								
Solid State Drive	256GB SATA non-OPAL								
Solid State Drive	256GB PCIe non-OPAL								
Solid State Drive	512GB SATA non-OPAL								
Solid State Drive	512GB PCIe non-OPAL								
Graphics	AMD or nVidia w/2GB Discrete								
Graphics	AMD or nVidia w/4GB Discrete								
Graphics	AMD or nVidia w/6GB Discrete								
Graphics	AMD or nVidia w/8GB Discrete								
Security	3 Yr. Absolute Resilience								
Security	4 Yr. Absolute Resilience								
Security	5 Yr. Absolute Resilience								
Warranty	1 Additional Year								
Warranty	2 Additional Years								
Warranty	3 Additional Years								
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)									
Video Adapter - DisplayPort to VGA	DisplayPort to VGA								
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI								
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port								
Video Adapter - HDMI to VGA	HDMI to VGA								
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort								
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW								
Lock Kit	Lock Kit								
Mounting Bracket	Mounting Bracket								
Mounting Bracket	Mounting Bracket								
Mounting Bracket	Mounting Bracket								

CONFIGURATION 2 PERFORMANCE CHROMEBOX COMPARISON

Features									
		Dell No Offering		HP No Offering		Lenovo No Offering		Microsoft No Offering	
		Product Details		Product Details		Product Details		Product Details	
Base Specifications									
Model /Chassis Type	Brick								
Processor	AMD / Intel Quad Core 2.4GHz								
BIOS Configuration	Boot to Hard Drive								
Operating System	Chrome								
RAM	8GB DDR3 non-ECC								
Hard Disk	64GB eMMC non-OPAL								
Removable Storage									
Video Graphics	HD Graphics								
Sound	High Definition Audio								
Network Interface	Gigabit LAN 10/100/1000								
Wireless Interface	802.11 AC								
Bluetooth Interface	4.2								
EnergyStar Level	7								
ePEAT Level	Bronze								
Mouse	USB 2-Button Optical w/Scroll								
Keyboard	Standard Keyboard								
Warranty	3 Year Depot Service								
RAM Maximum									
USB Ports - Front (2.0 / 3.0 / C)									
USB Ports - Rear (2.0 / 3.0 / C)									
Maximum Support Video Resolution									
VGA Out									
HDMI Out									
DisplayPort Out									
Stereo line-in Connection									
Microphone-in Connection									
Speakers/line-out Connection									
Active/Operating (Watts)									
Power Save/Sleep Mode (Watts)									
Acoustics (max. dB)									
Dimensions (inches W x D x H)									
Weight (Lbs.)									
Chassis Lock & Cable Loop									
UPGRADE OPTIONS (to be ordered at initial purchase)									
Operating System	Chrome Enterprise Management								
RAM	16GB non-ECC								
RAM	32GB non-ECC								
RAM	64GB non-ECC								
Solid State Drive	64GB PCIe non-OPAL								
Solid State Drive	128GB PCIe non-OPAL								
Solid State Drive	256GB SATA non-OPAL								
Solid State Drive	256GB PCIe non-OPAL								
Solid State Drive	512GB SATA non-OPAL								
Solid State Drive	512GB PCIe non-OPAL								
Graphics	AMD or nVidia w/2GB Discrete								
Graphics	AMD or nVidia w/4GB Discrete								
Graphics	AMD or nVidia w/6GB Discrete								
Graphics	AMD or nVidia w/8GB Discrete								
Security	3 Yr. Absolute Resilience								
Security	4 Yr. Absolute Resilience								
Security	5 Yr. Absolute Resilience								
Warranty	1 Additional Year								
Warranty	2 Additional Years								
Warranty	3 Additional Years								
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)									
Video Adapter - DisplayPort to VGA	DisplayPort to VGA								
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI								
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port								
Video Adapter - HDMI to VGA	HDMI to VGA								
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort								
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW								
Lock Kit	Lock Kit								
Mounting Bracket	Mounting Bracket								
Mounting Bracket	Mounting Bracket								
Mounting Bracket	Mounting Bracket								

CONFIGURATION 3 BUSINESS THIN CLIENT COMPARISON



**HP
T640 Thin Client
\$424.00**

**Dell
No Offering
No Offering**

**Lenovo
No Offering
No Offering**

**Microsoft
No Offering
No Offering**

Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type	Brick	Brick			
Processor	AMD / Intel Quad Core 1.5GHz	AMD Ryzen R1505G 2.4GHz, 4M, 2 Core, 4 Thread			
BIOS Configuration	Boot to Flash	Boot to Flash			
Operating System	Thin Client OS	HP Thin Pro OS			
RAM	8GB DDR3 non-ECC	8GB DDR4 non-ECC			
Hard Disk	32GB Flash	32GB Flash			
Removable Storage					
Video Graphics	HD Graphics	AMD Radeon Vega 3			
Sound	High Definition Audio	High Definition Audio			
Network Interface	Gigabit LAN 10/100/1000	Realtek Gigabit LAN 10/100/1000			
Wireless Interface	802.11 AC	Realtek 802.11 AX / WiFi 6			
Bluetooth Interface	4.2	5.2			
VDI Protocols	PCoIP, RDP, HDX, RemoteX	PCoIP, Blast, RDP, HDX, RemoteX			
EnergyStar Level	7	7			
ePEAT Level	Bronze	Silver			
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll			
Keyboard	Standard Keyboard	Standard Keyboard			
Warranty	3 Year Depot Service	3 Year NBD Advance Exchange			
RAM Maximum		32GB non-ECC			
USB Ports - Front (2.0 / 3.0 / C)		3.1 (2) / C (1)			
USB Ports - Rear (2.0 / 3.0 / C)		2.0 (2) / 3.1 (2)			
Maximum Support Video Resolution		3840 x 2160			
VGA Out					
HDMI Out					
DisplayPort Out		3			
Stereo line-in Connection		1			
Microphone-in Connection		1			
Speakers/line-out Connection		1			
Active/Operating (Watts)		16.57			
Power Save/Sleep Mode (Watts)		1.47			
Acoustics (max. dB)		2.7			
Dimensions (inches W x D x H)		1.96 x 8.26 x 8.26			
Weight (.lbs.)		2.92			
Chassis Lock & Cable Loop		Yes			

UPGRADE OPTIONS (to be ordered at initial purchase)

Operating System	Windows 10 IoT	Windows 10 IoT Ent. LTSC 2019			
RAM	16GB non-ECC	16GB non-ECC			
RAM	32GB non-ECC	32GB non-ECC			
RAM	64GB non-ECC				
Flash Drive	64GB	64GB			
Flash Drive	128GB	128GB			
Flash Drive	256GB	256GB			
Flash Drive	512GB	512GB			
Graphics	AMD or nVidia w/2GB Discrete				
Graphics	AMD or nVidia w/4GB Discrete				
Graphics	AMD or nVidia w/6GB Discrete				
Graphics	AMD or nVidia w/8GB Discrete				
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience			
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience			
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience			
Warranty	1 Additional Year	1 Additional Yr. NBD Adv. Exchange			
Warranty	2 Additional Years	2 Additional Yrs. NBD Adv. Exchange			
Warranty	3 Additional Years				

ACCESSORY OPTIONS (ordered at initial purchase or at a later time)

Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA			
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI			
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort				
Video Adapter - HDMI to VGA	HDMI to VGA				
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort				
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW			
Lock Kit	Lock Kit	Master Key Lock w/Cable			
Mounting Bracket	Mounting Bracket	Quick Release Bracket			
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket				

CONFIGURATION 4 PERFORMANCE THIN CLIENT COMPARISON



**HP
T740 Thin Client
\$530.00**

**Dell
No Offering
No Offering**

**Lenovo
No Offering
No Offering**

**Microsoft
No Offering
No Offering**

Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type	Brick	Brick			
Processor	AMD / Intel Quad Core 2.0GHz	AMD Ryzen V1756B 3.25GHz, 4M, 4 Core, 8 Thread			
BIOS Configuration	Boot to Flash	Boot to Flash			
Operating System	Thin Client OS	HP Thin Pro OS			
RAM	16GB DDR3 non-ECC	16GB DDR4 non-ECC			
Hard Disk	64GB Flash	64GB Flash			
Removable Storage					
Video Graphics	HD Graphics	AMD Radeon Vega 8			
Sound	High Definition Audio	High Definition Audio			
Network Interface	Gigabit LAN 10/100/1000	Realtek Gigabit LAN 10/100/1000			
Wireless Interface	802.11 AC	Realtek 802.11 AX / WiFi 6			
Bluetooth Interface	4.2	5.2			
VDI Protocols	PCoIP, RDP, HDX, RemoteX	PCoIP, Blast, RDP, HDX, RemoteX			
EnergyStar Level	7	7			
ePEAT Level	Bronze	Silver			
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll			
Keyboard	Standard Keyboard	Standard Keyboard			
Warranty	3 Year Depot Service	3 Year NBD Advance Exchange			
RAM Maximum		32GB non-ECC			
USB Ports - Front (2.0 / 3.0 / C)		3.1 (2) / C (1)			
USB Ports - Rear (2.0 / 3.0 / C)		2.0 (2) / 3.1 (2)			
Maximum Support Video Resolution		3840 x 2160			
VGA Out					
HDMI Out					
DisplayPort Out		4			
Stereo line-in Connection		1			
Microphone-in Connection		1			
Speakers/line-out Connection		1			
Active/Operating (Watts)		16.57			
Power Save/Sleep Mode (Watts)		1.47			
Acoustics (max. dB)		2.7			
Dimensions (inches W x D x H)		1.96 x 8.26 x 8.26			
Weight (.lbs.)		2.92			
Chassis Lock & Cable Loop		Yes			

UPGRADE OPTIONS (to be ordered at initial purchase)

Operating System	Windows 10 IoT	Windows 10 IoT Ent. LTSC 2019			
RAM	32GB non-ECC	32GB non-ECC			
RAM	64GB non-ECC				
Flash Drive	128GB	128GB			
Flash Drive	256GB	256GB			
Flash Drive	512GB	512GB			
Graphics	AMD or nVidia w/2GB Discrete	AMD Radeon E9173 w/2GB			
Graphics	AMD or nVidia w/4GB Discrete				
Graphics	AMD or nVidia w/6GB Discrete				
Graphics	AMD or nVidia w/8GB Discrete				
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience			
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience			
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience			
Warranty	1 Additional Year	1 Additional Yr. NBD Adv. Exchange			
Warranty	2 Additional Years	2 Additional Yrs. NBD Adv. Exchange			
Warranty	3 Additional Years				

ACCESSORY OPTIONS (ordered at initial purchase or at a later time)

Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA			
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI			
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port				
Video Adapter - HDMI to VGA	HDMI to VGA				
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort				
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW			
Lock Kit	Lock Kit	Master Key Lock w/Cable			
Mounting Bracket	Mounting Bracket	Quick Release Bracket			
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket				

CONFIGURATION 5 BUSINESS ALL-IN-ONE COMPARISON



**HP
EliteOne 800 G6 AIO
\$931.00**

**Lenovo
ThinkCentre M90A AIO
\$931.15**

**Dell
OptiPlex 7490 AIO
\$1,064.48**

**Microsoft
No Offering
No Offering**

Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model/Chassis Type	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor
Display Size	23 Inch Touchscreen	23.8 Inch Touchscreen	23.8 Inch Touchscreen	23.8 Inch Touchscreen	23.8 Inch Touchscreen
Processor	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit
RAM	8GB DDR4 non-ECC	8GB DDR4 non-ECC	8GB DDR4 non-ECC	8GB DDR4 non-ECC	8GB DDR4 non-ECC
Hard Disk	128GB SSD SATA non-OPAL	128GB PCIe non-OPAL	128GB SSD SATA non-OPAL	128GB PCIe non-OPAL	128GB PCIe non-OPAL
Removable Storage					
Video Graphics	HD Graphics	Intel UHD Graphics 630	Intel HD Graphics	Intel HD Graphics	Intel HD Graphics
Web Camera	Front	Front	Front	Front IR	Front IR
Sound	High Definition Audio	Bang & Olufsen HD Audio	High Definition Audio	High Definition Audio	High Definition Audio
Network Interface	Gigabit LAN 10/100/1000	Intel I219-LM 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	802.11 AC	Intel AX201 802.11 AX / WiFi 6	Intel 802.11 AC	802.11 AX / WiFi 6	802.11 AX / WiFi 6
Bluetooth Interface	4.2	5	5	5.1	5.1
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro
EnergyStar Level	7	7	8	8	8
ePEAT Level	Bronze	Gold	Silver	Silver	Silver
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
Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard
Warranty	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)
RAM Maximum		32GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC
USB Ports - Front (2.0 / 3.0 / C)		3.1 (1) / C (1)	3.2 (2) / C (1)	3.2 (1) / C (1)	3.2 (1) / C (1)
USB Ports - Rear (2.0 / 3.0 / C)		3.1 (2)	3.2 (4)	3.2 (4)	3.2 (4)
Maximum Support Video Resolution		1920 x 1080	4096 x 2304	Int 1920x1080 / Ext 3840x2160	Int 1920x1080 / Ext 3840x2160
VGA Out		1			
HDMI Out		1		1	1
DisplayPort Out		1	1	1	1
Stereo line-in Connection		1	1	1	1
Microphone-in Connection		1	1	1	1
Speakers/line-out Connection		1	1	1	1
Active/Operating (Watts)		14.68	150	65	65
Power Save/Sleep Mode (Watts)		0.78	16.5	2.9	2.9
Acoustics (max. dB)		43	20	39	39
Dimensions (inches W x D x H)		21.2 x 7.5 x 16.5	21.3 x 7.9 x 16.3	21.26 x 2.07 x 13.54	21.26 x 2.07 x 13.54
Weight (. lbs.)		18.25	17.3	13.39	13.39
Chassis Lock & Cable Loop		Chassis Lock Only	Yes	Yes	Yes
UPGRADE OPTIONS (to be ordered at initial purchase)					
Chassis	27 Inch Touchscreen All-in-One	27 Inch Touchscreen All-in-One		27 inch Touchscreen All-in-One	
RAM	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC
RAM	64GB non-ECC		64GB non-ECC	64GB non-ECC	64GB non-ECC
Hard Drive	1TB SATA non-OPAL				
Hard Drive	2TB SATA non-OPAL		2TB SATA non-OPAL		
Solid State Drive	128GB PCIe non-OPAL		128GB PCIe non-OPAL		
Solid State Drive	256GB SATA non-OPAL		256GB SATA non-OPAL		
Solid State Drive	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL
Solid State Drive	512GB SATA non-OPAL		512GB SATA non-OPAL		
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL
Solid State Drive	1TB SATA non-OPAL		1TB SATA non-OPAL		
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL
Solid State Drive	2TB SATA non-OPAL				
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	8x DVD+/-RW	2TB PCIe non-OPAL	2TB PCIe non-OPAL
Graphics	AMD or nVidia w/2GB Discrete		AMD Radeon 625 w/2GB		
Graphics	AMD or nVidia w/4GB Discrete			nVidia GeForce GTX 1650 w/4GB	
Graphics	AMD or nVidia w/6GB Discrete				
Graphics	AMD or nVidia w/8GB Discrete	nVidia GeForce RTX 2070 w/8GB			
Webcam	IR	Dual IR	IR		
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience
Warranty	1 Additional Year	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)
Warranty	2 Additional Years		2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)		
Warranty	3 Additional Years		3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)		
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port		DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort
Video Adapter - HDMI to VGA	HDMI to VGA			HDMI to VGA	HDMI to VGA
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort			HDMI to DisplayPort	HDMI to DisplayPort
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW		USB 8x DVD+/-RW	USB 8x DVD+/-RW
Lock Kit	Lock Kit	Single Key Lock w/Cable	Lock Kit		
Mounting Bracket	Mounting Bracket	EliteOne 800 G3 AIO Reclining Stand	Wall Mount Kit	Articulating Stand	Articulating Stand
Mounting Bracket	Mounting Bracket		Adjustable Height Arm	Height Adjustable Stand	Height Adjustable Stand
Mounting Bracket	Mounting Bracket				

CONFIGURATION 6 PERFORMANCE ALL-IN-ONE COMPARISON



**Lenovo
ThinkCentre M90A AIO**

**Dell
OptiPlex 7490 AIO**

**HP
EliteOne 800 G6 AIO**

**Microsoft
Surface Studio 2**

\$1,159.94

\$1,345.05

\$1,680.00

\$3,526.61

Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor
Display Size	23 Inch Touchscreen	23.8 Inch Touchscreen	23.8 Inch Touchscreen	23.8 Inch FHD Touchscreen	28 Inch Touchscreen
Processor	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 7820HQ 2.90GHz, 8M, 4 Core, 8 Thread
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit
RAM	16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 non-ECC
Hard Disk	256GB SSD SATA non-OPAL	256GB SSD SATA non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	1 TB PCIe non-OPAL
Removable Storage					
Video Graphics	AMD / nVidia w/2GB Discrete	AMD Radeon 625 w/2GB	nVidia GeForce GTX 1650 w/4GB	nVidia GeForce RTX 2070 w/8GB	nVidia GeForce GTX 1060 w/6GB
Web Camera	Front	Front	Front IR	Front	Front IR
Sound	High Definition Audio	High Definition Audio	High Definition Audio	Bang & Olufsen HD Audio	High Definition Audio
Network Interface	Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Gigabit LAN 10/100/1000
Wireless Interface	802.11 AC	Intel 802.11 AC	802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	802.11 AC
Bluetooth Interface	4.2	5	5.1	5	4
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	8	8	6	2:24
ePEAT Level	Bronze	Silver	Silver	Gold	Gold
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	Bluetooth 2-Button Optical w/Scroll
Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Bluetooth Keyboard
Warranty	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	3 Year Advanced Replacement
RAM Maximum		64GB non-ECC	64GB non-ECC	32GB non-ECC	32GB non-ECC
USB Ports - Front (2.0 / 3.0 / C)		3.2 (2) / C (1)	3.2 (1) / C (1)	3.1 (1) / C (1)	
USB Ports - Rear (2.0 / 3.0 / C)		3.2 (4)	3.2 (4)	3.1 (2)	3.0 (4) / C (1)
Maximum Support Video Resolution		4096 x 2304	Int 1920x1080 / Ext 3840x2160	1920 x 1080	4096 x 2304
VGA Out				1	
HDMI Out			1	1	
DisplayPort Out		1	1	1	
Stereo line-in Connection		1	1	1	
Microphone-in Connection		1	1	1	
Speakers/line-out Connection		1	1	1	1
Active/Operating (Watts)		150	65	14.68	44.5
Power Save/Sleep Mode (Watts)		16.5	2.9	0.78	4.1
Acoustics (max. dB)		23	39	43	35
Dimensions (inches W x D x H)		21.3 x 7.9 x 16.3	21.26 x 2.07 x 13.54	21.2 x 7.5 x 16.5	25.1 x 1.3 x 17.3
Weight (.lbs.)		17.3	13.39	18.25	21
Chassis Lock & Cable Loop		Yes	Yes	Chassis Lock Only	

UPGRADE OPTIONS (to be ordered at initial purchase)

Chassis	27 Inch Touchscreen All-in-One		27 inch Touchscreen All-in-One		
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC
RAM	64GB non-ECC	64GB non-ECC	64GB non-ECC		
Hard Drive	1TB SATA non-OPAL				
Hard Drive	2TB SATA non-OPAL	2TB SATA non-OPAL			
Solid State Drive	256GB PCIe non-OPAL	256GB PCIe non-OPAL			
Solid State Drive	512GB SATA non-OPAL	512GB SATA non-OPAL			
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive	1TB SATA non-OPAL	1TB SATA non-OPAL			
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB SATA non-OPAL				
Solid State Drive	2TB PCIe non-OPAL		2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL
Graphics	AMD or nVidia w/4GB Discrete				
Graphics	AMD or nVidia w/6GB Discrete				
Graphics	AMD or nVidia w/8GB Discrete				
Webcam	IR	IR		Dual IR	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
Warranty	1 Additional Year	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	
Warranty	2 Additional Years	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)			
Warranty	3 Additional Years	3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)			

ACCESSORY OPTIONS (ordered at initial purchase or at a later time)

Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	USB-C to VGA
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	USB-C to HDMI
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort		
Video Adapter - HDMI to VGA	HDMI to VGA		HDMI to VGA		
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort		HDMI to DisplayPort		
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW		USB 8x DVD+/-RW	USB 8x DVD+/-RW	
Lock Kit	Lock Kit	Lock Kit		Single Key Lock w/Cable	
Mounting Bracket	Mounting Bracket	Wall Mount Kit	Articulating Stand	EliteOne 800 G3 AIO Reclining Stand	
Mounting Bracket	Mounting Bracket	Adjustable Height Arm	Height Adjustable Stand		
Mounting Bracket	Mounting Bracket				

CONFIGURATION 7 BUSINESS COMPUTER COMPARISON



**HP
ProDesk 600 G6
\$648.00**

**Dell
OptiPlex 7090
\$683.55**

**Lenovo
ThinkCentre M80T
\$712.99**

**Microsoft
No Offering
No Offering**

Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type	Mini Tower	Mini Tower	Mini Tower	Mini Tower	
Processor	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	
RAM	8GB DDR4 non-ECC	8GB DDR4 non-ECC	8GB DDR4 non-ECC	8GB DDR4 non-ECC	
Hard Disk	128GB SSD SATA non-OPAL	128GB PCIe non-OPAL	128GB PCIe non-OPAL	128GB SSD SATA non-OPAL	
Removable Storage					
Video Graphics	HD Graphics	Intel UHD Graphics 630	Intel HD Graphics	Intel HD Graphics	
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	
Network Interface	Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	
Wireless Interface	802.11 AC	Intel AX201 802.11 AX / WiFi 6	802.11 AX / WiFi 6	Intel 802.11 AC	
Bluetooth Interface	4.2	5	5.1	5	
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	6	7	8	
ePEAT Level	Bronze	Gold	Bronze	Silver	
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	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	
Warranty	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	
RAM Maximum		128GB non-ECC	128GB non-ECC	128GB non-ECC	
USB Ports - Front (2.0 / 3.0 / C)		2.0 (2) / 3.1 (2) / C (1)	2.0 (2) / 3.2 (1) / C (1)	3.2 (2) / C (1)	
USB Ports - Rear (2.0 / 3.0 / C)		2.0 (2) / 3.1 (4)	2.0 (2) / 3.2 (4)	3.2 (4)	
Maximum Support Video Resolution		3840 x 2140	3840 x 2160	4096 x 2304	
VGA Out		0	1		
HDMI Out		0	1	1	
DisplayPort Out		2	2	2	
Stereo line-in Connection		1	1	1	
Microphone-in Connection		1	1	1	
Speakers/line-out Connection		1	1	1	
Active/Operating (Watts)		13.59	65	180	
Power Save/Sleep Mode (Watts)		1.32	Unavailable	27	
Acoustics (max. dB)		29	26.3	26	
Dimensions (inches W x D x H)		6.69 x 10.79 x 13.3	6.65 x 11.84 x 14.45	5.7 x 11.7 x 13.6	
Weight (.lbs.)		15.77	20.61	10.6	
Chassis Lock & Cable Loop		Yes	Yes	Yes	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Chassis	Desktop			Desktop	
Chassis	Small Form Factor (SFF)	Small Form Factor (SFF)	Small Form Factor (SFF)	Small Form Factor (SFF)	
Chassis	Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)	
Chassis	Micro Form Factor (MFF)		Micro Form Factor (MFF)	Micro Form Factor (MFF)	
RAM	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM	64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	
Hard Drive	1TB SATA non-OPAL	1 TB SATA non-OPAL	1TB SATA non-OPAL	1TB SATA non-OPAL	
Hard Drive	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	
Solid State Drive	128GB PCIe non-OPAL			128GB PCIe non-OPAL	
Solid State Drive	256GB SATA non-OPAL			256GB SATA non-OPAL	
Solid State Drive	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	
Solid State Drive	512GB SATA non-OPAL			512GB SATA non-OPAL	
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive	1TB SATA non-OPAL			1TB SATA non-OPAL	
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB SATA non-OPAL			2TB SATA non-OPAL	
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
Removable Storage	8x DVD+/-RW		8x DVD+/-RW	8x DVD+/-RW	
Graphics	AMD or nVidia w/2GB Discrete	AMD Radeon R7 430 w/2GB	AMD Radeon 550 w/2GB	AMD Radeon 520 w/2GB	
Graphics	AMD or nVidia w/4GB Discrete	AMD Radeon RX 550X w/4GB	AMD Radeon RX 640 w/4GB	AMD Radeon RX 550X w/4GB	
Graphics	AMD or nVidia w/8GB Discrete		nVidia GeForce GTX 1660 w/6GB		
Graphics	AMD or nVidia w/8GB Discrete	nVidia GeForce RTX 2070 w/8GB	nVidia GeForce RTX 3070 w/8GB		
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
Warranty	1 Additional Year	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	
Warranty	2 Additional Years			2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	
Warranty	3 Additional Years			3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port		DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	
Video Adapter - HDMI to VGA	HDMI to VGA		HDMI to VGA	HDMI to VGA	
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort		HDMI to DisplayPort		
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW		
Lock Kit	Lock Kit	Master Key Lock w/Cable		Lock Kit	
Mounting Bracket	Mounting Bracket	Quick Release Bracket	OptiPlex MFF VESA Mount	Wall Mount Kit	
Mounting Bracket	Mounting Bracket		OptiPlex MFF Dual VESA Mount		
Mounting Bracket	Mounting Bracket				

CONFIGURATION 8 PERFORMANCE COMPUTER COMPARISON



**HP
ProDesk 600 G6
\$850.00**

**Dell
OptiPlex 7090
\$890.96**

**Lenovo
ThinkCentre M80T
\$925.83**

**Microsoft
No Offering
No Offering**

Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type	Mini Tower	Mini Tower	Mini Tower	Mini Tower	
Processor	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	
RAM	16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 non-ECC	
Hard Disk	256GB SSD SATA non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB SSD SATA non-OPAL	
Removable Storage					
Video Graphics	AMD / nVidia w/2GB Discrete	AMD Radeon R7 430 w/2GB	AMD Radeon 550 w/2GB	AMD Radeon 520 w/2GB	
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	
Network Interface	Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	
Wireless Interface	802.11 AC	Intel AX201 802.11 AX / WiFi 6	802.11 AX / WiFi 6	Intel 802.11 AC	
Bluetooth Interface	4.2	5	5.1	5	
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	6	7	8	
ePEAT Level	Bronze	Gold	Bronze	Silver	
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	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	
Warranty	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	
RAM Maximum		128GB non-ECC	128GB non-ECC	128GB non-ECC	
USB Ports - Front (2.0 / 3.0 / C)		2.0 (2) / 3.1 (2) / C (1)	2.0 (2) / 3.2 (1) / C (1)	3.2 (2) / C (1)	
USB Ports - Rear (2.0 / 3.0 / C)		2.0 (2) / 3.1 (4)	2.0 (2) / 3.2 (4)	3.2 (4)	
Maximum Support Video Resolution		3840 x 2140	3840 x 2160	4096 x 2304	
VGA Out			1		
HDMI Out			1	1	
DisplayPort Out		2	2	2	
Stereo line-in Connection		1	1	1	
Microphone-in Connection		1	1	1	
Speakers/line-out Connection		1	1	1	
Active/Operating (Watts)		13.59	65	180	
Power Save/Sleep Mode (Watts)		1.32	Unavailable	27	
Acoustics (max. dB)		29	26.3	26	
Dimensions (inches W x D x H)		6.69 x 10.79 x 13.3	6.65 x 11.84 x 14.45	5.7 x 11.7 x 13.6	
Weight (.lbs.)		15.77	20.61	10.6	
Chassis Lock & Cable Loop		Yes	Yes	Yes	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Chassis	Desktop			Desktop	
Chassis	Small Form Factor (SFF)	Small Form Factor (SFF)	Small Form Factor (SFF)	Small Form Factor (SFF)	
Chassis	Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)	
Chassis	Micro Form Factor (MFF)		Micro Form Factor (MFF)	Micro Form Factor (MFF)	
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM	64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	
Hard Drive	1TB SATA non-OPAL	1 TB SATA non-OPAL	1TB SATA non-OPAL	1TB SATA non-OPAL	
Hard Drive	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	
Solid State Drive	256GB PCIe non-OPAL			256GB PCIe non-OPAL	
Solid State Drive	512GB SATA non-OPAL			512GB SATA non-OPAL	
Solid State Drive	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive	1TB SATA non-OPAL			1TB SATA non-OPAL	
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB SATA non-OPAL			2TB SATA non-OPAL	
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
Removable Storage	8x DVD+-RW		8x DVD+-RW	8x DVD+-RW	
Graphics	AMD or nVidia w/4GB Discrete	AMD Radeon RX 550X w/4GB	AMD Radeon RX 640 w/4GB	AMD Radeon RX 550X w/4GB	
Graphics	AMD or nVidia w/6GB Discrete		nVidia GeForce GTX 1660 w/6GB		
Graphics	AMD or nVidia w/8GB Discrete	nVidia GeForce RTX 2070 w/8GB	nVidia GeForce RTX 3070 w/8GB		
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
Warranty	1 Additional Year	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	
Warranty	2 Additional Years			2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	
Warranty	3 Additional Years			3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port		DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	
Video Adapter - HDMI to VGA	HDMI to VGA		HDMI to VGA	HDMI to VGA	
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort		HDMI to DisplayPort		
Removable Storage - USB 8x DVD+-RW	USB 8xDVD+-RW	USB 8x DVD+-RW	USB 8x DVD+-RW		
Lock Kit	Lock Kit	Master Key Lock w/Cable		Lock Kit	
Mounting Bracket	Mounting Bracket	DM Chassis Tower Stand	OptiPlex MFF VESA Mount	Wall Mount Kit	
Mounting Bracket	Mounting Bracket		OptiPlex MFF Dual VESA Mount		
Mounting Bracket	Mounting Bracket				

CONFIGURATION 9 BUSINESS WORKSTATION COMPARISON



**HP
Z6 G4**
\$1,963.00

**Lenovo
ThinkStation P720**
\$1,963.39

**Dell
Precision 7920**
\$2,251.31

**Microsoft
No Offering**
No Offering

Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type	Tower	Tower	Tower	Tower	
Processor	Intel Xeon 4210R 2.40GHz, 14M, 10 Core, 20 Thread	Intel Xeon 4210R 2.40GHz, 14M, 10 Core, 20 Thread	Intel Xeon 4210R 2.40GHz, 14M, 10 Core, 20 Thread	Intel Xeon 4210R 2.40GHz, 14M, 10 Core, 20 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	
RAM	16GB DDR4 ECC	16GB DDR4 ECC	16GB DDR4 ECC	16GB DDR4 ECC	
Hard Disk	512GB SSD SATA non-OPAL	512GB PCIe non-OPAL	512GB SSD SATA non-OPAL	512GB SSD SATA non-OPAL	
Removable Storage					
Video Graphics	AMD / nVidia w/2GB Discrete	nVidia Quadro P400 w/2GB	nVidia Quadro P620 w/2GB	nVidia Quadro P400 w/2GB	
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	
Network Interface	Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	
Wireless Interface	802.11 AC	Intel AX201 802.11 AX / WiFi 6	Intel 802.11 AC	Intel 802.11 AC	
Bluetooth Interface	4.2	5	5	4.2	
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	6	2:24	7	
ePEAT Level	Bronze	Gold	Bronze	Bronze	
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	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	
Warranty	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	
RAM Maximum		384GB ECC	768GB ECC	2TB ECC	
USB Ports - Front (2.0 / 3.0 / C)		3.1 (4)	3.1 (4)	3.2 (2) / C (2)	
USB Ports - Rear (2.0 / 3.0 / C)		3.1 (6)	2.0 (2) / 3.1 (4)	3.2 (6)	
Maximum Support Video Resolution		3840 x 2140	7680 x 4320	3840 x 2140	
VGA Out					
HDMI Out					
DisplayPort Out		4 mini	4 mini	4 mini	
Stereo line-in Connection		1	1	1	
Microphone-in Connection		1	1	1	
Speakers/line-out Connection		1	1	1	
Active/Operating (Watts)		100	690	100	
Power Save/Sleep Mode (Watts)		20	55.2	Unavailable	
Acoustics (max. dB)		Not Available	31	30.1	
Dimensions (inches W x D x H)		6.65 x 18.3 x 17.5	6.89 x 19.1 x 17.6	8.58 x 22.29 x 17.05	
Weight (.lbs.)		30.1	52.25	45	
Chassis Lock & Cable Loop		Yes	Yes	Yes	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Chassis	Desktop				
Chassis	Small Form Factor (SFF)				
Chassis	Ultra Small Form Factor (USFF)				
Chassis	Micro Form Factor (MFF)				
RAM	32GB ECC	32GB ECC	32GB ECC	32GB ECC	
RAM	64GB ECC	64GB ECC	64GB ECC	64GB ECC	
	128GB ECC	128GB ECC	128GB ECC	128GB ECC	
	256GB ECC	256GB ECC / Chassis Upgrade	256GB ECC	256GB ECC	
Hard Drive	1TB SATA non-OPAL	1 TB SATA non-OPAL		1TB SATA non-OPAL	
Hard Drive	2TB SATA non-OPAL	2TB SATA non-OPAL		2TB SATA non-OPAL	
Solid State Drive	512GB PCIe non-OPAL		512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive	1TB SATA non-OPAL		1TB SATA non-OPAL		
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB SATA non-OPAL		2TB SATA non-OPAL		
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
2nd Solid State Drive	2TB SATA non-OPAL		2TB SATA non-OPAL		
2nd Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
Removable Storage	8x DVD+/-RW		8x DVD+/-RW	16x DVD+/-RW	
Graphics	AMD or nVidia w/4GB Discrete	nVidia Quadro P2200 w/5GB	nVidia Quadro P1000 w/4GB	AMD Radeon Pro WX 3200 w/4GB	
Graphics	AMD or nVidia w/6GB Discrete	AMD Radeon Pro WX 5500 w/8GB	nVidia Quadro P2200 w/5GB		
Graphics	AMD or nVidia w/8GB Discrete	nVidia Quadro RTX 4000 w/8GB	nVidia Quadro RTX 4000 w/8GB	AMD Radeon Pro W5500 w/8GB	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
Warranty	1 Additional Year	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	
Warranty	2 Additional Years		2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)		
Warranty	3 Additional Years		3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)		
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort		DisplayPort to Dual DisplayPort		
Video Adapter - HDMI to VGA	HDMI to VGA			HDMI to VGA	
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort			HDMI to DisplayPort	
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW		USB 8x DVD+/-RW	
Lock Kit	Lock Kit	Single Key Lock w/Cable	Lock Kit		
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket				

CONFIGURATION 10 PERFORMANCE WORKSTATION COMPARISON



**Lenovo
ThinkStation P720**

**HP
Z6 G4**

**Dell
Precision 7920**

**Microsoft
No Offering**

\$2,765.78







\$2,955.00

\$3,254.58







No Offering

Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type	Tower	Tower	Tower	Tower	
Processor	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	
RAM	32GB DDR4 ECC	32GB DDR4 ECC	32GB DDR4 ECC	32GB DDR4 ECC	
Hard Disk	1TB SSD SATA non-OPAL	1TB SSD SATA non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Removable Storage					
Video Graphics	AMD / nVidia w/4GB Discrete	nVidia Quadro P1000 w/4GB	AMD Radeon Pro WX 5500 w/8GB	AMD Radeon Pro WX 3200 w/4GB	
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	
Network Interface	Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	
Wireless Interface	802.11 AC	Intel 802.11 AC	Intel AX201 802.11 AX / WiFi 6	Intel 802.11 AC	
Bluetooth Interface	4.2	5	5	4.2	
Security	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level	7	6.1	6	7	
ePEAT Level	Bronze	Bronze	Gold	Bronze	
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	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	
Warranty	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	
RAM Maximum		768GB ECC	384GB ECC	2TB ECC	
USB Ports - Front (2.0 / 3.0 / C)		3.1 (4)	3.1 (4)	3.2 (2) / C (2)	
USB Ports - Rear (2.0 / 3.0 / C)		2.0 (2) / 3.1 (4)	3.1 (6)	3.2 (6)	
Maximum Support Video Resolution		7680 x 4320	3840 x 2140	3840 x 2140	
VGA Out					
HDMI Out					
DisplayPort Out		4 mini	4 mini	4 mini	
Stereo line-in Connection		1	1	1	
Microphone-in Connection		1	1	1	
Speakers/line-out Connection		1	1	1	
Active/Operating (Watts)		690	100	100	
Power Save/Sleep Mode (Watts)		55.2	20	Unavailable	
Acoustics (max. dB)		31	Not Available	30.1	
Dimensions (inches W x D x H)		6.89 x 19.1 x 17.6	6.65 x 18.3 x 17.5	8.58 x 22.29 x 17.05	
Weight (.lbs.)		52.25	30.1	45	
Chassis Lock & Cable Loop		Yes	Yes	Yes	
UPGRADE OPTIONS (to be ordered at initial purchase)					
Chassis	Desktop				
Chassis	Small Form Factor (SFF)				
Chassis	Ultra Small Form Factor (USFF)				
Chassis	Micro Form Factor (MFF)				
RAM	64GB ECC	64GB ECC	64GB ECC	64GB ECC	
RAM	128GB ECC	128GB ECC	128GB ECC	128GB ECC	
RAM	256GB ECC	256GB ECC	256GB ECC / Chassis Upgrade	256GB ECC	
Hard Drive	2TB SATA non-OPAL	0	2TB SATA non-OPAL	2TB SATA non-OPAL	
Solid State Drive	1TB PCIe non-OPAL	1TB PCIe non-OPAL			
Solid State Drive	2TB SATA non-OPAL	2TB SATA non-OPAL			
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
2nd Solid State Drive	2TB SATA non-OPAL	2TB SATA non-OPAL			
2nd Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
Removable Storage	8x DVD+/-RW	8x DVD+/-RW		16x DVD+/-RW	
Graphics	AMD or nVidia w/6GB Discrete	nVidia Quadro P2200 w/5GB	AMD Radeon Pro WX 7100 w/8GB		
Graphics	AMD or nVidia w/8GB Discrete	nVidia Quadro RTX 4000 w/8GB	nVidia Quadro RTX 4000 w/8GB	AMD Radeon Pro W5500 w/8GB	
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
Warranty	1 Additional Year	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	
Warranty	2 Additional Years	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)			
Warranty	3 Additional Years	3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)			
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)					
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort			
Video Adapter - HDMI to VGA	HDMI to VGA			HDMI to VGA	
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort			HDMI to DisplayPort	
Removable Storage - USB 8x DVD+/-RW	USB 8x DVD+/-RW		USB 8x DVD+/-RW	USB 8x DVD+/-RW	
Lock Kit	Lock Kit	Lock Kit	Master Key Lock w/Cable		
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket				







DELL DESKTOPS

Sterling Computers MA-IS-2140398	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
										
Model	No Offering	No Offering	No Offering	No Offering	OptiPlex 7490 AIO	OptiPlex 7490 AIO	OptiPlex 7090	OptiPlex 7090	Precision 7920	Precision 7920
Cost	No Offering	No Offering	No Offering	No Offering	\$1,064.48	\$1,345.05	\$683.55	\$890.96	\$2,251.31	\$3,254.58
Features	Product Details				Product Details		Product Details		Product Details	
Model /Chassis Type					Integrated w/Monitor	Integrated w/Monitor	Mini Tower	Mini Tower	Tower	Tower
Display Size					23.8 Inch Touchscreen	23.8 Inch Touchscreen				
Processor					Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Xeon 4210R 2.40GHz, 14M, 10 Core, 20 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread
BIOS Configuration					Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System					Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit
RAM					8GB DDR4 non-ECC	16GB DDR4 non-ECC	8GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 ECC	32GB DDR4 ECC
Hard Disk					128GB PCIe non-OPAL	256GB PCIe non-OPAL	128GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB SSD SATA non-OPAL	1TB PCIe non-OPAL
Removable Storage										
Video Graphics					Intel HD Graphics	nVidia GeForce GTX 1650 w/4GB	Intel HD Graphics	AMD Radeon 550 w/2GB	nVidia Quadro P400 w/2GB	AMD Radeon Pro WX 3200 w/4GB
Web Camera					Front IR	Front IR				
Sound					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					802.11 AX / WiFi 6	802.11 AX / WiFi 6	802.11 AX / WiFi 6	802.11 AX / WiFi 6	Intel 802.11 AC	Intel 802.11 AC
Bluetooth Interface					5.1	5.1	5.1	5.1	4.2	4.2
VDI Protocols										
Security					Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro
EnergyStar Level					8	8	7	7	7	7
ePEAT Level					Silver	Silver	Bronze	Bronze	Bronze	Bronze
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
Keyboard					Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard
Warranty					4 Year NBD Onsite (Keep You Hard Drive)	4 Year NBD Onsite (Keep You Hard Drive)	4 Year NBD Onsite (Keep You Hard Drive)	4 Year NBD Onsite (Keep You Hard Drive)	4 Year NBD Onsite (Keep You Hard Drive)	4 Year NBD Onsite (Keep You Hard Drive)
RAM Maximum					64GB non-ECC	64GB non-ECC	128GB non-ECC	128GB non-ECC	2TB ECC	2TB ECC
USB Ports - Front (2.0 / 3.0 / C)					3.2 (1) / C (1)	3.2 (1) / C (1)	2.0 (2) / 3.2 (1) / C (1)	2.0 (2) / 3.2 (1) / C (1)	3.2 (2) / C (2)	3.2 (2) / C (2)
USB Ports - Rear (2.0 / 3.0 / C)					3.2 (4)	3.2 (4)	2.0 (2) / 3.2 (4)	2.0 (2) / 3.2 (4)	3.2 (6)	3.2 (6)
Maximum Support Video Resolution					Int 1920x1080 / Ext 3840x2160	Int 1920x1080 / Ext 3840x2160	3840 x 2160	3840 x 2160	3840 x 2140	3840 x 2140
VGA Out							1	1		
HDMI Out					1	1	1	1		
DisplayPort Out					1	1	2	2	4 mini	4 mini
Stereo line-in Connection					1	1	1	1	1	1
Microphone-in Connection					1	1	1	1	1	1
Speakers/line-out Connection					1	1	1	1	1	1
Active/Operating (Watts)					65	65	65	65	100	100
Power Save/Sleep Mode (Watts)					2.9	2.9	Unavailable	Unavailable	Unavailable	Unavailable
Acoustics (max. dB)					39	39	26.3	26.3	30.1	30.1
Dimensions (inches W x D x H)					21.26 x 2.07 x 13.54	21.26 x 2.07 x 13.54	6.65 x 11.84 x 14.45	6.65 x 11.84 x 14.45	8.58 x 22.29 x 17.05	8.58 x 22.29 x 17.05
Weight (.lbs.)					13.39	13.39	20.61	20.61	45	45
Chassis Lock & Cable Loop					Yes	Yes	Yes	Yes	Yes	Yes









DELL DESKTOPS

Sterling Computers MA-IS-2140398	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
										
Model	No Offering	No Offering	No Offering	No Offering	OptiPlex 7490 AIO	OptiPlex 7490 AIO	OptiPlex 7090	OptiPlex 7090	Precision 7920	Precision 7920
Cost	No Offering	No Offering	No Offering	No Offering	\$1,064.48	\$1,345.05	\$683.55	\$890.96	\$2,251.31	\$3,254.58
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
UPGRADE OPTIONS (to be ordered at initial purchase)										
Chassis - Desktop										
Chassis - Small Form Factor (SFF)							Small Form Factor (SFF)	Small Form Factor (SFF)		
Chassis - Ultra Small Form Factor (USFF)							Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)		
Chassis - Micro Form Factor (MFF)							Micro Form Factor (MFF)	Micro Form Factor (MFF)		
Chassis - 27 Inch Touchscreen All-in-One					27 inch Touchscreen All-in-One	27 inch Touchscreen All-in-One				
Operating System - Windows 10IoT										
Operating System - Chrome Enterprise Management										
RAM - 8GB non-ECC										
RAM - 16GB non-ECC					16GB non-ECC		16GB non-ECC			
RAM - 32GB non-ECC					32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC		
RAM - 64GB non-ECC					64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC		
RAM - 32GB ECC									32GB ECC	
RAM - 64GB ECC									64GB ECC	64GB ECC
RAM - 128GB ECC									128GB ECC	128GB ECC
RAM - 256GB ECC									256GB ECC	256GB ECC
Flash Drive - 64GB										
Flash Drive - 128GB										
Flash Drive - 256GB										
Flash Drive - 512GB										
Hard Drive - 1TB SATA non-OPAL							1TB SATA non-OPAL	1TB SATA non-OPAL	1TB SATA non-OPAL	
Hard Drive - 2TB SATA non-OPAL							2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL
Solid State Drive - 64GB eMMC non-OPAL										
Solid State Drive - 64GB PCIe non-OPAL										
Solid State Drive - 128GB PCIe non-OPAL										
Solid State Drive - 256GB SATA non-OPAL										
Solid State Drive - 256GB PCIe non-OPAL					256GB PCIe non-OPAL		256GB PCIe non-OPAL			
Solid State Drive - 512GB SATA non-OPAL										
Solid State Drive - 512GB PCIe non-OPAL					512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive - 1TB SATA non-OPAL										
Solid State Drive - 1TB PCIe non-OPAL					1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive - 2TB SATA non-OPAL										
Solid State Drive - 2TB PCIe non-OPAL					2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL
2nd Solid State Drive - 2TB SATA non-OPAL										
2nd Solid State Drive - 2TB PCIe non-OPAL									2TB PCIe non-OPAL	2TB PCIe non-OPAL
Removable Storage - 8x DVD+/-RW					8x DVD+/-RW	8x DVD+/-RW	8x DVD+/-RW	8x DVD+/-RW	16x DVD+/-RW	16x DVD+/-RW
Graphics - AMD or nVidia w/2GB Discrete							AMD Radeon 550 w/2GB			
Graphics - AMD or nVidia w/4GB Discrete					nVidia GeForce GTX 1650 w/4GB		AMD Radeon RX 640 w/4GB	AMD Radeon RX 640 w/4GB	AMD Radeon Pro WX 3200 w/4GB	
Graphics - AMD or nVidia w/6GB Discrete							nVidia GeForce GTX 1660 w/6GB	nVidia GeForce GTX 1660 w/6GB		
Graphics - AMD or nVidia w/8GB Discrete							nVidia GeForce RTX 3070 w/8GB	nVidia GeForce RTX 3070 w/8GB	AMD Radeon Pro W5500 w/8GB	AMD Radeon Pro W5500 w/8GB
Webcam - IR										
Security - 3 Yr. Absolute Resilience					3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience
Security - 4 Yr. Absolute Resilience					4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience
Security - 5 Yr. Absolute Resilience					5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience
Warranty - 1 Additional Year					1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)
Warranty - 2 Additional Years										
Warranty - 3 Additional Years										
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)										
Video Adapter - DisplayPort to VGA					DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA
Video Adapter - DisplayPort to HDMI					DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI
Video Adapter - DisplayPort to Dual DisplayPort					DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort		
Video Adapter - HDMI to VGA					HDMI to VGA	HDMI to VGA	HDMI to VGA	HDMI to VGA	HDMI to VGA	HDMI to VGA
Video Adapter - HDMI to DisplayPort					HDMI to DisplayPort	HDMI to DisplayPort	HDMI to DisplayPort	HDMI to DisplayPort	HDMI to DisplayPort	HDMI to DisplayPort
Removable Storage - USB 8x DVD+/-RW					USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW
Lock Kit										
Mounting Bracket					Articulating Stand	Articulating Stand	OptiPlex MFF VESA Mount	OptiPlex MFF VESA Mount		
Mounting Bracket					Height Adjustable Stand	Height Adjustable Stand	OptiPlex MFF Dual VESA Mount	OptiPlex MFF Dual VESA Mount		
Mounting Bracket										







HP DESKTOPS

Golden Star Technology MA-IS-2140399	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
										
Model	No Offering	No Offering	T640 Thin Client	T740 Thin Client	EliteOne 800 G6 AIO	EliteOne 800 G6 AIO	ProDesk 600 G6	ProDesk 600 G6	Z6 G4	Z6 G4
Cost	No Offering	No Offering	\$424.00	\$530.00	\$931.00	\$1,680.00	\$648.00	\$850.00	\$1,963.00	\$2,955.00
Features	Product Details		Product Details		Product Details		Product Details		Product Details	
Model /Chassis Type			Brick	Brick	Integrated w/Monitor	Integrated w/Monitor	Mini Tower	Mini Tower	Tower	Tower
Display Size					23.8 Inch Touchscreen	23.8 Inch FHD Touchscreen				
Processor			AMD Ryzen R1505G 2.4GHz, 4M, 2 Core, 4 Thread	AMD Ryzen V1756B 3.25GHz, 4M, 4 Core, 8 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Xeon 4210R 2.40GHz, 14M, 10 Core, 20 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread
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
Operating System			HP Thin Pro OS	HP Thin Pro OS	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit
RAM			8GB DDR4 non-ECC	16GB DDR4 non-ECC	8GB DDR4 non-ECC	16GB DDR4 non-ECC	8GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 ECC	32GB DDR4 ECC
Hard Disk			32GB Flash	64GB Flash	128GB PCIe non-OPAL	256GB PCIe non-OPAL	128GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	1TB PCIe non-OPAL
Removable Storage										
Video Graphics			AMD Radeon Vega 3	AMD Radeon Vega 8	Intel UHD Graphics 630	nVidia GeForce RTX 2070 w/8GB	Intel UHD Graphics 630	AMD Radeon R7 430 w/2GB	nVidia Quadro P400 w/2GB	AMD Radeon Pro WX 5500 w/8GB
Web Camera					Front	Front				
Sound			High Definition Audio	High Definition Audio	Bang & Olufsen HD Audio	Bang & Olufsen HD Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio
Network Interface			Realtek Gigabit LAN 10/100/1000	Realtek Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000
Wireless Interface			Realtek 802.11 AX / WiFi 6	Realtek 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6
Bluetooth Interface			5.2	5.2	5	5	5	5	5	5
VDI Protocols			PCoIP, Blast, RDP, HDX, RemoteX	PCoIP, Blast, RDP, HDX, RemoteX						
Security					Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro
EnergyStar Level			7	7	7	7	6	6	6	6
ePEAT Level			Silver	Silver	Gold	Gold	Gold	Gold	Gold	Gold
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
Keyboard			Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard
Warranty			3 Year NBD Advance Exchange	3 Year NBD Advance Exchange	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)
RAM Maximum			32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	128GB non-ECC	128GB non-ECC	384GB ECC	384GB ECC
USB Ports - Front (2.0 / 3.0 / C)			3.1 (2) / C (1)	3.1 (2) / C (1)	3.1 (1) / C (1)	3.1 (1) / C (1)	2.0 (2) / 3.1 (2) / C (1)	2.0 (2) / 3.1 (2) / C (1)	3.1 (4)	3.1 (4)
USB Ports - Rear (2.0 / 3.0 / C)			2.0 (2) / 3.1 (2)	2.0 (2) / 3.1 (2)	3.1 (2)	3.1 (2)	2.0 (2) / 3.1 (4)	2.0 (2) / 3.1 (4)	3.1 (6)	3.1 (6)
Maximum Support Video Resolution			3840 x 2160	3840 x 2160	1920 x 1080	1920 x 1080	3840 x 2140	3840 x 2140	3840 x 2140	3840 x 2140
VGA Out					1	1				
HDMI Out					1	1				
DisplayPort Out			3	4	1	1	2	2	4 mini	4 mini
Stereo line-in Connection			1	1	1	1	1	1	1	1
Microphone-in Connection			1	1	1	1	1	1	1	1
Speakers/line-out Connection			1	1	1	1	1	1	1	1
Active/Operating (Watts)			16.57	16.57	14.68	14.68	13.59	13.59	100	100
Power Save/Sleep Mode (Watts)			1.47	1.47	0.78	0.78	1.32	1.32	20	20
Acoustics (max. dB)			2.7	2.7	43	43	29	29	Not Available	Not Available
Dimensions (inches W x D x H)			1.96 x 8.26 x 8.26	1.96 x 8.26 x 8.26	21.2 x 7.5 x 16.5	21.2 x 7.5 x 16.5	6.69 x 10.79 x 13.3	6.69 x 10.79 x 13.3	6.65 x 18.3 x 17.5	6.65 x 18.3 x 17.5
Weight (.lbs.)			2.92	2.92	18.25	18.25	15.77	15.77	30.1	30.1
Chassis Lock & Cable Loop			Yes	Yes	Chassis Lock Only	Chassis Lock Only	Yes	Yes	Yes	Yes

HP DESKTOPS

Golden Star Technology MA-IS-2140399	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
										
Model	No Offering	No Offering	T640 Thin Client	T740 Thin Client	EliteOne 800 G6 AIO	EliteOne 800 G6 AIO	ProDesk 600 G6	ProDesk 600 G6	Z6 G4	Z6 G4
Cost	No Offering	No Offering	\$424.00	\$530.00	\$931.00	\$1,680.00	\$648.00	\$850.00	\$1,963.00	\$2,955.00
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
UPGRADE OPTIONS (to be ordered at initial purchase)										
Chassis - Desktop										
Chassis - Small Form Factor (SFF)							Small Form Factor (SFF)	Small Form Factor (SFF)		
Chassis - Ultra Small Form Factor (USFF)							Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)		
Chassis - Micro Form Factor (MFF)										
Chassis - 27 Inch Touchscreen All-in-One					27 Inch Touchscreen All-in-One					
Operating System - Windows 10IoT			Windows 10 IoT Ent. LTSC 2019	Windows 10 IoT Ent. LTSC 2019						
Operating System - Chrome Enterprise Management										
RAM - 8GB non-ECC										
RAM - 16GB non-ECC			16GB non-ECC		16GB non-ECC		16GB non-ECC			
RAM - 32GB non-ECC			32GB non-ECC	32GB non-ECC	32GB non-ECC		32GB non-ECC	32GB non-ECC		
RAM - 64GB non-ECC							64GB non-ECC	64GB non-ECC		
RAM - 32GB ECC									32GB ECC	
RAM - 64GB ECC									64GB ECC	64GB ECC
RAM - 128GB ECC									128GB ECC	128GB ECC
RAM - 256GB ECC									256GB ECC / Chassis Upgrade	256GB ECC / Chassis Upgrade
Flash Drive - 64GB			64GB							
Flash Drive - 128GB			128GB	128GB						
Flash Drive - 256GB			256GB	256GB						
Flash Drive - 512GB			512GB	512GB						
Hard Drive - 1TB SATA non-OPAL							1 TB SATA non-OPAL	1 TB SATA non-OPAL	1 TB SATA non-OPAL	
Hard Drive - 2TB SATA non-OPAL							2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL
Solid State Drive - 64GB eMMC non-OPAL										
Solid State Drive - 64GB PCIe non-OPAL										
Solid State Drive - 128GB PCIe non-OPAL										
Solid State Drive - 256GB SATA non-OPAL										
Solid State Drive - 256GB PCIe non-OPAL					256GB PCIe non-OPAL		256GB PCIe non-OPAL			
Solid State Drive - 512GB SATA non-OPAL										
Solid State Drive - 512GB PCIe non-OPAL					512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL		
Solid State Drive - 1TB SATA non-OPAL										
Solid State Drive - 1TB PCIe non-OPAL					1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive - 2TB SATA non-OPAL										
Solid State Drive - 2TB PCIe non-OPAL					2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL
2nd Solid State Drive - 2TB SATA non-OPAL										
2nd Solid State Drive - 2TB PCIe non-OPAL									2TB PCIe non-OPAL	2TB PCIe non-OPAL
Removable Storage - 8x DVD+/-RW										
Graphics - AMD or nVidia w/2GB Discrete				AMD Radeon E9173 w/2GB			AMD Radeon R7 430 w/2GB			
Graphics - AMD or nVidia w/4GB Discrete							AMD Radeon RX 550X w/4GB	AMD Radeon RX 550X w/4GB	nVidia Quadro P2200 w/5GB	
Graphics - AMD or nVidia w/6GB Discrete									AMD Radeon Pro WX 5500 w/8GB	AMD Radeon Pro WX 7100 w/8GB
Graphics - AMD or nVidia w/8GB Discrete						nVidia GeForce RTX 2070 w/8GB	nVidia GeForce RTX 2070 w/8GB	nVidia GeForce RTX 2070 w/8GB	nVidia Quadro RTX 4000 w/8GB	nVidia Quadro RTX 4000 w/8GB
Webcam - IR					Dual IR	Dual IR				
Security - 3 Yr. Absolute Resilience			3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience
Security - 4 Yr. Absolute Resilience			4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience
Security - 5 Yr. Absolute Resilience			5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience
Warranty - 1 Additional Year			1 Additional Yr. NBD Adv. Exchange	1 Additional Yr. NBD Adv. Exchange	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)
Warranty - 2 Additional Years			2 Additional Yrs. NBD Adv. Exchange	2 Additional Yrs. NBD Adv. Exchange						
Warranty - 3 Additional Years										
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)										
Video Adapter - DisplayPort to VGA			DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA
Video Adapter - DisplayPort to HDMI			DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI
Video Adapter - DisplayPort to Dual DisplayPort										
Video Adapter - HDMI to VGA										
Video Adapter - HDMI to DisplayPort										
Removable Storage - USB 8x DVD+/-RW			USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW
Lock Kit			Master Key Lock w/Cable	Master Key Lock w/Cable	Single Key Lock w/Cable	Single Key Lock w/Cable	Master Key Lock w/Cable	Master Key Lock w/Cable	Single Key Lock w/Cable	Master Key Lock w/Cable
Mounting Bracket			Quick Release Bracket	Quick Release Bracket	EliteOne 800 G3 AIO Reclining Stand	EliteOne 800 G3 AIO Reclining Stand	Quick Release Bracket	DM Chassis Tower Stand		
Mounting Bracket										
Mounting Bracket										


LENOVO DESKTOPS

Technology Integration Group MA-IS-2140400	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
										
Model	No Offering	No Offering	No Offering	No Offering	ThinkCentre M90A AIO	ThinkCentre M90A AIO	ThinkCentre M80T	ThinkCentre M80T	ThinkStation P720	ThinkStation P720
Cost	No Offering	No Offering	No Offering	No Offering	\$931.15	\$1,159.94	\$712.99	\$925.83	\$1,963.39	\$2,765.78
Features	Product Details				Product Details		Product Details		Product Details	
Model /Chassis Type					Integrated w/Monitor	Integrated w/Monitor	Mini Tower	Mini Tower	Tower	Tower
Display Size					23.8 Inch Touchscreen	23.8 Inch Touchscreen				
Processor					Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Xeon 4210R 2.40GHz, 14M, 10 Core, 20 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread
BIOS Configuration					Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System					Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit
RAM					8GB DDR4 non-ECC	16GB DDR4 non-ECC	8GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 ECC	32GB DDR4 ECC
Hard Disk					128GB SSD SATA non-OPAL	256GB SSD SATA non-OPAL	128GB SSD SATA non-OPAL	256GB SSD SATA non-OPAL	512GB SSD SATA non-OPAL	1TB SSD SATA non-OPAL
Removable Storage										
Video Graphics					Intel HD Graphics	AMD Radeon 625 w/2GB	Intel HD Graphics	AMD Radeon 520 w/2GB	nVidia Quadro P620 w/2GB	nVidia Quadro P1000 w/4GB
Web Camera					Front	Front				
Sound					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 AC	Intel 802.11 AC	Intel 802.11 AC	Intel 802.11 AC	Intel 802.11 AC	Intel 802.11 AC
Bluetooth Interface					5	5	5	5	5	5
VDI Protocols										
Security					Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro
EnergyStar Level					8	8	8	8	6.1	6.1
ePEAT Level					Silver	Silver	Silver	Silver	Bronze	Bronze
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
Keyboard					Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard
Warranty					4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)
RAM Maximum					64GB non-ECC	64GB non-ECC	128GB non-ECC	128GB non-ECC	768GB ECC	768GB ECC
USB Ports - Front (2.0 / 3.0 / C)					3.2 (2) / C (1)	3.2 (2) / C (1)	3.2 (2) / C (1)	3.2 (2) / C (1)	3.1 (4)	3.1 (4)
USB Ports - Rear (2.0 / 3.0 / C)					3.2 (4)	3.2 (4)	3.2 (4)	3.2 (4)	2.0 (2) / 3.1 (4)	2.0 (2) / 3.1 (4)
Maximum Support Video Resolution					4096 x 2304	4096 x 2304	4096 x 2304	4096 x 2304	7680 x 4320	7680 x 4320
VGA Out										
HDMI Out							1	1		
DisplayPort Out					1	1	2	2	4 mini	4 mini
Stereo line-in Connection					1	1	1	1	1	1
Microphone-in Connection					1	1	1	1	1	1
Speakers/line-out Connection					1	1	1	1	1	1
Active/Operating (Watts)					150	150	180	180	690	690
Power Save/Sleep Mode (Watts)					16.5	16.5	27	27	55.2	55.2
Acoustics (max. dB)					20	23	26	26	31	31
Dimensions (inches W x D x H)					21.3 x 7.9 x 16.3	21.3 x 7.9 x 16.3	5.7 x 11.7 x 13.6	5.7 x 11.7 x 13.6	6.89 x 19.1 x 17.6	6.89 x 19.1 x 17.6
Weight (.lbs.)					17.3	17.3	10.6	10.6	52.25	52.25
Chassis Lock & Cable Loop					Yes	Yes	Yes	Yes	Yes	Yes


LENOVO DESKTOPS

<div style="text-align: center;"> Technology Integration Group MA-IS-2140400 </div>	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
										
Model	No Offering	No Offering	No Offering	No Offering	ThinkCentre M90A AIO	ThinkCentre M90A AIO	ThinkCentre M80T	ThinkCentre M80T	ThinkStation P720	ThinkStation P720
Cost	No Offering	No Offering	No Offering	No Offering	\$931.15	\$1,159.94	\$712.99	\$925.83	\$1,963.39	\$2,765.78
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
UPGRADE OPTIONS (to be ordered at initial purchase)										
Chassis - Desktop							Desktop	Desktop		
Chassis - Small Form Factor (SFF)							Small Form Factor (SFF)	Small Form Factor (SFF)		
Chassis - Ultra Small Form Factor (USFF)										
Chassis - Micro Form Factor (MFF)							Micro Form Factor (MFF)	Micro Form Factor (MFF)		
Chassis - 27 Inch Touchscreen All-in-One										
Operating System - Windows 10IoT										
Operating System - Chrome Enterprise Management										
RAM - 8GB non-ECC										
RAM - 16GB non-ECC					16GB non-ECC		16GB non-ECC			
RAM - 32GB non-ECC					32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC		
RAM - 64GB non-ECC					64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC		
RAM - 32GB ECC									32GB ECC	
RAM - 64GB ECC									64GB ECC	64GB ECC
RAM - 128GB ECC									128GB ECC	128GB ECC
RAM - 256GB ECC									256GB ECC	256GB ECC
Flash Drive - 64GB										
Flash Drive - 128GB										
Flash Drive - 256GB										
Flash Drive - 512GB										
Hard Drive - 1TB SATA non-OPAL							1TB SATA non-OPAL	1TB SATA non-OPAL		
Hard Drive - 2TB SATA non-OPAL					2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL		
Solid State Drive - 64GB eMMC non-OPAL										
Solid State Drive - 64GB PCIe non-OPAL										
Solid State Drive - 128GB PCIe non-OPAL					128GB PCIe non-OPAL		128GB PCIe non-OPAL			
Solid State Drive - 256GB SATA non-OPAL					256GB SATA non-OPAL		256GB SATA non-OPAL			
Solid State Drive - 256GB PCIe non-OPAL					256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL	256GB PCIe non-OPAL		
Solid State Drive - 512GB SATA non-OPAL					512GB SATA non-OPAL	512GB SATA non-OPAL	512GB SATA non-OPAL	512GB SATA non-OPAL		
Solid State Drive - 512GB PCIe non-OPAL					512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive - 1TB SATA non-OPAL					1TB SATA non-OPAL	1TB SATA non-OPAL	1TB SATA non-OPAL	1TB SATA non-OPAL	1TB SATA non-OPAL	
Solid State Drive - 1TB PCIe non-OPAL					1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL
Solid State Drive - 2TB SATA non-OPAL							2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL
Solid State Drive - 2TB PCIe non-OPAL							2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL
2nd Solid State Drive - 2TB SATA non-OPAL									2TB SATA non-OPAL	2TB SATA non-OPAL
2nd Solid State Drive - 2TB PCIe non-OPAL									2TB PCIe non-OPAL	2TB PCIe non-OPAL
Removable Storage - 8x DVD+/-RW					8x DVD+/-RW	8x DVD+/-RW	8x DVD+/-RW	8x DVD+/-RW	8x DVD+/-RW	8x DVD+/-RW
Graphics - AMD or nVidia w/2GB Discrete					AMD Radeon 625 w/2GB		AMD Radeon 520 w/2GB			
Graphics - AMD or nVidia w/4GB Discrete							AMD Radeon RX 550X w/4GB	AMD Radeon RX 550X w/4GB	nVidia Quadro P1000 w/4GB	
Graphics - AMD or nVidia w/6GB Discrete									nVidia Quadro P2200 w/5GB	nVidia Quadro P2200 w/5GB
Graphics - AMD or nVidia w/8GB Discrete									nVidia Quadro RTX 4000 w/8GB	nVidia Quadro RTX 4000 w/8GB
Webcam - IR					IR	IR				
Security - 3 Yr. Absolute Resilience					3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience
Security - 4 Yr. Absolute Resilience					4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience
Security - 5 Yr. Absolute Resilience					5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience
Warranty - 1 Additional Year					1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)
Warranty - 2 Additional Years					2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)
Warranty - 3 Additional Years					3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)										
Video Adapter - DisplayPort to VGA					DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA
Video Adapter - DisplayPort to HDMI					DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI
Video Adapter - DisplayPort to Dual DisplayPort					DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort
Video Adapter - HDMI to VGA							HDMI to VGA	HDMI to VGA		
Video Adapter - HDMI to DisplayPort										
Removable Storage - USB 8x DVD+/-RW										
Lock Kit					Lock Kit	Lock Kit	Lock Kit	Lock Kit	Lock Kit	Lock Kit
Mounting Bracket					Wall Mount Kit	Wall Mount Kit	Wall Mount Kit	Wall Mount Kit		
Mounting Bracket					Adjustable Height Arm	Adjustable Height Arm				
Mounting Bracket										

MICROSOFT DESKTOPS

Zones LLC MA-IS-2140401	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
										
Model	No Offering	No Offering	No Offering	No Offering	No Offering	Surface Studio 2	No Offering	No Offering	No Offering	No Offering
Cost	No Offering	No Offering	No Offering	No Offering	No Offering	\$3,526.61	No Offering	No Offering	No Offering	No Offering
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type						Integrated w/Monitor				
Display Size						28 Inch Touchscreen				
Processor						Intel Core i7 7820HQ 2.90GHz, 8M, 4 Core, 8 Thread				
BIOS Configuration						Boot to Hard Drive				
Operating System						Windows 10 Pro 64Bit				
RAM						16GB DDR4 non-ECC				
Hard Disk						1 TB PCIe non-OPAL				
Removable Storage										
Video Graphics						nVidia GeForce GTX 1060 w/6GB				
Web Camera						Front IR				
Sound						High Definition Audio				
Network Interface						Gigabit LAN 10/100/1000				
Wireless Interface						802.11 AC				
Bluetooth Interface						4				
VDI Protocols										
Security										
EnergyStar Level						7.1				
ePEAT Level						Gold				
Mouse						Bluetooth 2-Button Optical w/Scroll				
Keyboard						Bluetooth Keyboard				
Warranty						3 Year Advanced Replacement				
RAM Maximum						32GB non-ECC				
USB Ports - Front (2.0 / 3.0 / C)										
USB Ports - Rear (2.0 / 3.0 / C)						3.0 (4) / C (1)				
Maximum Support Video Resolution						4096 x 2304				
VGA Out										
HDMI Out										
DisplayPort Out										
Stereo line-in Connection										
Microphone-in Connection										
Speakers/line-out Connection						1				
Active/Operating (Watts)						44.5				
Power Save/Sleep Mode (Watts)						4.1				
Acoustics (max. dB)						35				
Dimensions (inches W x D x H)						25.1 x 1.3 x 17.3				
Weight (.lbs.)						21				
Chassis Lock & Cable Loop										

MICROSOFT DESKTOPS

Zones LLC MA-IS-2140401	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
										
Model	No Offering	No Offering	No Offering	No Offering	No Offering	Surface Studio 2	No Offering	No Offering	No Offering	No Offering
Cost	No Offering	No Offering	No Offering	No Offering	No Offering	\$3,526.61	No Offering	No Offering	No Offering	No Offering
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
UPGRADE OPTIONS (to be ordered at initial purchase)										
Chassis - Desktop										
Chassis - Small Form Factor (SFF)										
Chassis - Ultra Small Form Factor (USFF)										
Chassis - Micro Form Factor (MFF)										
Chassis - 27 Inch Touchscreen All-in-One										
Operating System - Windows 10IoT										
Operating System - Chrome Enterprise Management										
RAM - 8GB non-ECC										
RAM - 16GB non-ECC										
RAM - 32GB non-ECC						32GB non-ECC				
RAM - 64GB non-ECC										
RAM - 32GB ECC										
RAM - 64GB ECC										
RAM - 128GB ECC										
RAM - 256GB ECC										
Flash Drive - 64GB										
Flash Drive - 128GB										
Flash Drive - 256GB										
Flash Drive - 512GB										
Hard Drive - 1TB SATA non-OPAL										
Hard Drive - 2TB SATA non-OPAL										
Solid State Drive - 64GB eMMC non-OPAL										
Solid State Drive - 64GB PCIe non-OPAL										
Solid State Drive - 128GB PCIe non-OPAL										
Solid State Drive - 256GB SATA non-OPAL										
Solid State Drive - 256GB PCIe non-OPAL										
Solid State Drive - 512GB SATA non-OPAL										
Solid State Drive - 512GB PCIe non-OPAL										
Solid State Drive - 1TB SATA non-OPAL										
Solid State Drive - 1TB PCIe non-OPAL										
Solid State Drive - 2TB SATA non-OPAL										
Solid State Drive - 2TB PCIe non-OPAL						2TB PCIe non-OPAL				
2nd Solid State Drive - 2TB SATA non-OPAL										
2nd Solid State Drive - 2TB PCIe non-OPAL										
Removable Storage - 8x DVD+/-RW										
Graphics - AMD or nVidia w/2GB Discrete										
Graphics - AMD or nVidia w/4GB Discrete										
Graphics - AMD or nVidia w/6GB Discrete										
Graphics - AMD or nVidia w/8GB Discrete										
Webcam - IR										
Security - 3 Yr. Absolute Resilience										
Security - 4 Yr. Absolute Resilience										
Security - 5 Yr. Absolute Resilience										
Warranty - 1 Additional Year										
Warranty - 2 Additional Years										
Warranty - 3 Additional Years										
ACCESSORY OPTIONS (ordered at initial purchase or at a later time)										
Video Adapter - DisplayPort to VGA						USB-C to VGA				
Video Adapter - DisplayPort to HDMI						USB-C to HDMI				
Video Adapter - DisplayPort to Dual DisplayPort										
Video Adapter - HDMI to VGA										
Video Adapter - HDMI to DisplayPort										
Removable Storage - USB 8x DVD+/-RW										
Lock Kit										
Mounting Bracket										
Mounting Bracket										
Mounting Bracket										

OPTIONAL SERVICES - DESKTOPS

SERVICE OPTIONS (to be ordered at initial purchase)	
Optional Service	Specification
Windows AutoPilot Registration - 3RD PARTY	<p>NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors.</p> <p>All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.</p> <p>Tasks to be provided prior to shipment of equipment include the following:</p> <ol style="list-style-type: none"> 1) Harvest hardware IDs and register them in Microsoft Intune for Windows AutoPilot. 2) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format. 3) As directed by department, deliver two (2) devices after hardware ID harvest and registration for verification and acceptance, before proceeding with completing remaining devices.
Windows AutoPilot Registration - MANUFACTURER	<p>NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors.</p> <p>All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.</p> <p>Tasks to be provided prior to shipment of equipment include the following:</p> <ol style="list-style-type: none"> 1) Harvest hardware IDs and register them in Microsoft Intune for Windows AutoPilot. 2) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format. 3) As directed by department, deliver two (2) devices after hardware ID harvest and registration for verification and acceptance, before proceeding with completing remaining devices.
Windows AutoPilot Pre-Provisioning - 3RD PARTY	<p>NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors.</p> <p>All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.</p> <p>Tasks to be provided prior to shipment of equipment include the following:</p> <ol style="list-style-type: none"> 1) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format. 2) ONLY upon notification by department or designated Tennant Group Manager, perform device connection and complete Windows AutoPilot provisioning. 3) As directed by department, deliver two (2) devices after Windows AutoPilot provisioning for verification and acceptance, before proceeding with completing remaining devices. 4) At direction of department, provide list of registered hardware IDs with date Windows AutoPilot provisioning completion in .CSV format.
Windows AutoPilot Pre-Provisioning - MANUFACTURER	<p>NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors.</p> <p>All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.</p> <p>Tasks to be provided prior to shipment of equipment include the following:</p> <ol style="list-style-type: none"> 1) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format. 2) ONLY upon notification by department or designated Tennant Group Manager, perform device connection and complete Windows AutoPilot provisioning. 3) As directed by department, deliver two (2) devices after Windows AutoPilot provisioning for verification and acceptance, before proceeding with completing remaining devices. 4) At direction of department, provide list of registered hardware IDs with date Windows AutoPilot provisioning completion in .CSV format.
Windows AutoPilot Asset Tagging - 3RD PARTY	<p>Tasks to be provided prior to shipment of equipment include the following:</p> <ol style="list-style-type: none"> 1) Affix asset tag to device as directed and/or provided by the department. 2) Enter asset tag into system BIOS as directed and/or provided by the department. 3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department. 4) Coordinate and oversee purchase deliveries as directed by department.
Windows AutoPilot Asset Tagging - MANUFACTURER	<p>Tasks to be provided prior to shipment of equipment include the following:</p> <ol style="list-style-type: none"> 1) Affix asset tag to device as directed and/or provided by the department. 2) Enter asset tag into system BIOS as directed and/or provided by the department. 3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department. 4) Coordinate and oversee purchase deliveries as directed by department.
Windows AutoPilot Drop Ship - 3RD PARTY	<p>General County weekday peak hours are 9:00am to 3:00pm; Tuesday to Thursday</p> <p>All delivery/drop times shall be directed by ordering department.</p> <p>Tasks include the following:</p> <ol style="list-style-type: none"> 1) Dropship individual devices to specific end-user address as directed by department. <ol style="list-style-type: none"> a) Package must be insured. b) Package delivery must require end-user identification and signature or as directed by department. <ol style="list-style-type: none"> i) Anyone at location may sign for device delivery. ii) Only specific individual may sign for device delivery. c) Proof of delivery (end-user identification/signature) for each dropship device must be provided along with invoice or as directed by department. 2) Coordinate and oversee each dropship according to department instructions.

OPTIONAL SERVICES - DESKTOPS

SERVICE OPTIONS (to be ordered at initial purchase)

Optional Service	Specification
Windows AutoPilot Drop Ship - MANUFACTURER	<p>General County weekday peak hours are 9:00am to 3:00pm; Tuesday to Thursday All delivery/drop times shall be directed by ordering department. Tasks include the following:</p> <ol style="list-style-type: none"> 1) Dropship individual devices to specific end-user address as directed by department. <ol style="list-style-type: none"> a) Package must be insured. b) Package delivery must require end-user identification and signature or as directed by department. <ol style="list-style-type: none"> i) Anyone at location may sign for device delivery. ii) Only specific individual may sign for device delivery. c) Proof of delivery (end-user identification/signature) for each dropship device must be provided along with invoice or as directed by department. 2) Coordinate and oversee each dropship according to department instructions.
Asset Tagging - 3RD PARTY	<p>Tasks to be provided by 3rd party vendor prior to delivery of equipment include the following:</p> <ol style="list-style-type: none"> 1) Affix asset tag to device as directed and/or provided by the department. 2) Enter asset tag into system BIOS as directed and provided by the department. 3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department. 4) Coordinate and oversee all purchase deliveries to a central department location.
Asset Tagging - MANUFACTURER	<p>Tasks to be provided by manufacturer prior to shipment of equipment include the following:</p> <ol style="list-style-type: none"> 1) Affix asset tag to device as directed and/or provided by the department. 2) Enter asset tag into system BIOS as directed and provided by the department. 3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department. 4) Coordinate and oversee all purchase deliveries to a central department location.
Imaging - 3RD PARTY	<p>Tasks to be provided by 3rd party prior to delivery of equipment include the following:</p> <ol style="list-style-type: none"> 1) Image/install pre-software installation services using a Golden (certified) image/pre-software as provided by the department. <ol style="list-style-type: none"> a) 3rd Party to provide department an upload link and/or repository for certified image/pre-software. b) At direction of the department, 3rd Party to deliver two (2) devices after imaging to department for verification and acceptance, before proceeding with imaging remaining devices. 2) Coordinate and oversee all purchase deliveries to a central department location.
Imaging - MANUFACTURER	<p>Tasks to be provided by manufacturer prior to shipment of equipment include the following:</p> <ol style="list-style-type: none"> 1) Image/install pre-software installation services using a Golden (certified) image/pre-software as provided by the department. <ol style="list-style-type: none"> a) Manufacturer to provide department an upload link and/or repository for certified image/pre-software. b) At direction of department, Manufacturer to deliver two (2) devices after imaging to department for verification and acceptance, before proceeding with imaging remaining devices. 2) Coordinate and oversee all purchase deliveries to a central department location.

OPTIONAL SERVICES - DESKTOPS

SERVICE OPTIONS (to be ordered at initial purchase)

Optional Service	Specification
Delivery w/Unpacking - WEEKDAY	<p>General County weekday peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Deliver and unpack devices (removing all packing materials) to regional locations as directed by the department. 2) Coordinate and oversee all purchase deliveries to a central department location.</p>
Delivery w/Unpacking - WEEKEND	<p>General County weekend peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Deliver and unpack devices (removing all packing materials) to regional locations as directed by the department. 2) Coordinate and oversee all purchase deliveries to a central department location.</p>
Staggered Delivery - WEEKDAY	<p>General County weekday peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination). Department takes title/ownership at F.O.B. Destination. 2) Coordinate and oversee all purchase deliveries to regional locations as directed by the department.</p>
Staggered Delivery - WEEKEND	<p>General County weekend peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination). Department takes title/ownership at F.O.B. Destination. 2) Coordinate and oversee all purchase deliveries to regional locations as directed by the department.</p>
Staggered Delivery w/Unpacking - WEEKDAY	<p>General County weekday peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination). Department takes title/ownership at F.O.B. Destination. 2) Coordinate and oversee the purchase deliveries and unpacking of devices (removing all packing materials) to regional locations as directed by the department.</p>
Staggered Delivery w/Unpacking - WEEKEND	<p>General County weekend peak hours are 9am to 3:30pm. All delivery/drop times shall be dictated by ordering department. Tasks to include the following: 1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination). Department takes title/ownership at F.O.B. Destination. 2) Coordinate and oversee the purchase deliveries and unpacking of devices (removing all packing materials) to regional locations as directed by the department.</p>

OPTIONAL SERVICES - DESKTOPS

SERVICE OPTIONS (to be ordered at initial purchase)

Optional Service	Specification
Install & Relocate - WEEKDAY	<p>General County weekday peak hours are 9am to 3:30pm. All service times shall be dictated by ordering department. Tasks to include the following:</p> <ol style="list-style-type: none"> 1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material. 2) Disconnect and remove existing equipment to a temporary on-site location as directed by department. 3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department. 4) Boot up system and report any Operating System issues to department. 5) Coordinate and oversee all purchases deliveries to a central department location.
Install & Relocate - WEEKEND	<p>General County weekend peak hours are 9am to 3:30pm. All service times shall be dictated by ordering department. Tasks to include the following:</p> <ol style="list-style-type: none"> 1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material. 2) Disconnect and remove existing equipment to a temporary on-site location as directed by department. 3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department. 4) Boot up system and report any Operating System issues to department. 5) Coordinate and oversee all purchase deliveries to a central department location.
Install & Relocate w/Data Sanitization - WEEKDAY	<p>General County weekday peak hours are 9am to 3:30pm. All service times shall be dictated by ordering department. Tasks to include the following:</p> <ol style="list-style-type: none"> 1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material. 2) Disconnect and remove existing equipment to a temporary on-site location as directed by department. <ol style="list-style-type: none"> A) Sanitize drive(s) according to DoD 5220.22-M standard or NIST SP800-88Rev1 standard and provide the department with a certificate certifying completion. <ol style="list-style-type: none"> i) Details for Certificate of Sanitization to be determined department and may include the following: Dept./County, Asset # of main device, media type, drive mfg., drive model, drive serial #, sanitization type, sanitization method(s), tool(s) used, name of person performing sanitization, position/title of person performing sanitization, date of sanitization, signature of person performing sanitization, verification method of sanitization, name of person performing verification, position/title of person performing verification, date of verification, signature of person performing verification. 3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department. 4) Boot up system and report any Operating System issues to department. 5) Coordinate and oversee all purchase deliveries to a central department location.
Install & Relocate w/Data Sanitization - WEEKEND	<p>General County weekend peak hours are 9am to 3:30pm. All service times shall be dictated by ordering department. Tasks to include the following:</p> <ol style="list-style-type: none"> 1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material. 2) Disconnect and remove existing equipment to a temporary on-site location as directed by department. <ol style="list-style-type: none"> A) Sanitize drive(s) according to DoD 5220.22-M standard or NIST SP800-88Rev1 standard and provide the department with a certificate certifying completion. <ol style="list-style-type: none"> i) Details for Certificate of Sanitization to be determined department and may include the following: Dept./County, Asset # of main device, media type, drive mfg., drive model, drive serial #, sanitization type, sanitization method(s), tool(s) used, name of person performing sanitization, position/title of person performing sanitization, date of sanitization, signature of person performing sanitization, verification method of sanitization, name of person performing verification, position/title of person performing verification, date of verification, signature of person performing verification. 3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department. 4) Boot up system and report any Operating System issues to department. 5) Coordinate and oversee all purchase deliveries to a central department location.