

Produktinformation



HP Workstation Z4 G4 - MT - Core i9 9820X X-series 3.3 GHz - 16 GB - SSD 512 GB

Information



Tillverkare	HP
Artnr	6QN77EA

Perfect for engineering and visualization, HP's popular workstation delivers disruptive performance for a wide spectrum of applications.

Specifikation

General

Status	N1
Type	Workstation
Product Form Factor	Mini tower - 4U
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Colour	Black

Processor / Chipset

CPU	Intel Core i9 (9th Gen) 9820X X-series / 3.3 GHz
Max Turbo Speed	4.1 GHz
Number of Cores	10-core
CPU Qty	1
Max CPU Qty	1
CPU Upgradability	Upgradable
Processor Main Features	Hyper-Threading Technology, Intel Turbo Boost Technology 2, Intel Smart Cache
Chipset Type	Intel X299

Cache Memory

Installed Size	L3 Cache - 16.5 MB
Cache Per Processor	16.5 MB

RAM

Installed Size	16 GB / 256 GB (max)
Technology	DDR4 SDRAM - non-ECC
Effective Memory Speed	2666 MHz
Rated Memory Speed	2666 MHz
Memory Specification Compliance	PC4-20800
Form Factor	DIMM 288-pin
Slots	8 (Total) / 7 (empty)
Features	Unbuffered
Configuration Features	1 x 16 GB

Hard Drive

Type	SSD - 2.5"
Capacity	1 x 512 GB
Interface Type	SATA 6Gb/s

Storage Controller

Type	1 x SATA
Controller Interface Type	SATA 6Gb/s
Channel Qty	6
RAID Level	RAID 0, RAID 1, RAID 10

Optical Storage

Type	DVD-Writer DVD-Writer - SATA
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Card Reader

Type	Card reader
Supported Flash Memory Cards	SD Memory Card, SDHC Memory Card, SDXC Memory Card

Monitor

Monitor Type	None.
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Graphics Controller

Graphics Processor	Intel UHD Graphics 630
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Audio Output

Compliant Standards	High Definition Audio
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Input Device

Type	Mouse, keyboard
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Keyboard

Keyboard Name	HP Business Slim Keyboard
Interface	USB

Mouse

Technology	Optical
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Interface	USB
Networking	
Ethernet Controller	Intel I219-V
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Features	Wake on LAN (WoL), PXE support
Expansion / Connectivity	
Bays	2 (total) / 1 (free) x external 5.25" 2 (total) / 1 (free) x internal 3.5"
Slots	2 (total) / 2 (free) x PCIe 3.0 x16 2 (total) / 2 (free) x PCIe 3.0 x4 (open ended) 1 (total) / 1 (free) x PCIe 3.0 x8 (open ended) 2 (total) / 2 (free) x M.2 Card
Interfaces	9 x USB 3.1 Gen 1 (4 front, 5 rear) (one of them is charging) 1 x headphones/microphone (1 in front) 1 x audio line-in 1 x audio line-out 1 x PS/2 keyboard 1 x PS/2 mouse 1 x LAN (Gigabit Ethernet)
Miscellaneous	
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Kensington security slot
Compliant Standards	ACPI, RoHS, FIPS 140-2, Common Criteria EAL4+, WEEE 2002/96/EC, ISO 11469, ISO 1043
Power	
Device Type	Power supply
Nominal Voltage	AC 120/230 V (50/60 Hz)
Power Provided	1000 Watt
80 PLUS Certification	80 PLUS
Efficiency	90%
Power Factor Correction	Yes (active)
Operating System / Software	
Software	HP Remote Graphics Software
Dimensions & Weight	
Width	16.9 cm
Depth	44.5 cm
Height	38.6 cm
Weight	10.2 kg
Environmental Parameters	
Min Operating Temperature	5 °C
Max Operating Temperature	35 °C
Humidity Range Operating	10 - 85% (non-condensing)