



## HP Z2 G4 Intel® Core™ i7 i7-8700 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® Quadro® P1000 Windows 10 Pro SFF Workstation Black



**Brand :** HP

**Product code:** 5DU85UTR

**Product name :** Z2 G4

- Windows 10 Pro 64-bit  
- Intel Core i7-8700 (12MB Cache, 3.2GHz)  
- NVIDIA Quadro P1000 (4GB GDDR5)  
- 16GB (2666MHz) DDR4-SDRAM (2 x 8) & 512GB SSD  
Intel Core i7-8700 (12MB Cache, 3.2GHz), 16GB DDR4-SDRAM, 512GB SSD, Intel UHD Graphics 630,  
NVIDIA Quadro P1000 (4GB GDDR5), LAN, WLAN, Bluetooth, Windows 10 Pro 64-bit

HP Z2 G4 Intel® Core™ i7 i7-8700 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® Quadro® P1000 Windows  
10 Pro SFF Workstation Black:

### HP's most powerful small form factor

Get next-level performance with a compact device that can easily handle single and multi-threaded applications. With nearly endless configuration options, the Z2 SFF is the perfect hardware solution for your customization needs.

Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6
Processor family *	Intel® Core™ i7	Microphone in	✗
Processor generation	8th gen Intel® Core™ i7	Headphone outputs	1
Processor model *	i7-8700	Line-out	✓
Processor cores	6	Line-in	✓
Processor threads	12	Combo headphone/mic port	✓
Processor boost frequency	4,6 GHz	<b>Design</b>	
Processor frequency *	3,2 GHz	Chassis type *	SFF
Processor socket	LGA 1151 (Socket H4)	Product colour *	Black
Processor cache	12 MB	Country of origin	China
Processor cache type	Smart Cache	<b>Performance</b>	
System bus rate	8 GT/s	Market positioning	Business
Bus type	DMI3	Motherboard chipset	Intel C246
Processor lithography	14 nm	Audio chip	Conexant CX20632-31Z
Processor operating modes	64-bit	Product type *	Workstation
Processor series	Intel Core i7-8700 Desktop Series	<b>Software</b>	
Processor codename	Coffee Lake	Operating system architecture	64-bit
Thermal Design Power (TDP)	65 W	Operating system installed *	Windows 10 Pro
Tjunction	100 °C	<b>Processor special features</b>	
PCI Express slots version	3.0	Intel 64	✓
Maximum number of PCI Express lanes	16	Enhanced Intel SpeedStep Technology	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Embedded options available	✓
Number of processors installed	1	Intel® InTru™ 3D Technology	✓
Maximum internal memory supported by processor	64 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory types supported by processor	DDR4-SDRAM	Intel Clear Video Technology	✓
Memory clock speeds supported by processor	2666 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory bandwidth supported by processor (max)	41,6 GB/s	Intel TSX-NI	✓
Memory		Idle States	✓
Internal memory *	16 GB	Thermal Monitoring Technologies	✓
Maximum internal memory *	128 GB	Intel Stable Image Platform Program (SIPP)	✓
Internal memory type	DDR4-SDRAM		
Memory layout (slots x size)	2 x 8 GB		
Memory slots	4x DIMM		

Memory		Processor special features	
Memory clock speed	2666 MHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Non-ECC	✓	Intel® Secure Key	✓
Storage		Intel® OS Guard	✓
Total storage capacity *	512 GB	Intel Trusted Execution Technology	✓
Storage media *	SSD	Execute Disable Bit	✓
Total SSDs capacity	512 GB	Intel Enhanced Halt State	✓
Number of SSDs installed	1	Intel Software Guard Extensions (Intel SGX)	✓
SSD capacity	512 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
SSD interface	PCI Express	Processor package size	37.5 x 37.5 mm
Graphics		Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Discrete graphics card *	✓	Processor code	SR3QS
On-board graphics card *	✓	Scalability	1S
Discrete graphics card model *	NVIDIA® Quadro® P1000	CPU configuration (max)	1
Discrete graphics card memory	4 GB	Thermal solution specification	PCG 2015C
Discrete graphics memory type	GDDR5	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card family	Intel® UHD Graphics	Intel Identity Protection Technology version	1,00
On-board graphics card model *	Intel® UHD Graphics 630	Intel Stable Image Platform Program (SIPP) version	1,00
On-board graphics card base frequency	350 MHz	Intel Secure Key Technology version	1,00
On-board graphics card dynamic frequency (max)	1200 MHz	Intel Virtualization Technology (VT-x)	✓
Maximum on-board graphics card memory	64 GB	Intel TSX-NI version	1,00
Number of displays supported (on-board graphics)	3	Processor ARK ID	126686
On-board graphics card DirectX version	12.0	Intel® Turbo Boost Technology	2.0
On-board graphics card OpenGL version	4.5	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card ID	0x3E92	Intel® Quick Sync Video Technology	✓
Number of execution units	24	Intel® Identity Protection Technology (Intel® IPT)	✓
Network		Conflict-Free processor	✓
Ethernet LAN *	✓	Brand-specific features	
Ethernet LAN data rates	10,100,1000 Mbit/s	HP Software provided	Buy Office; CyberLink Power2Go; CyberLink PowerDVD; HP Client Security Software; HP PC Hardware Diagnostics UEFI; HP Performance Advisor; HP Remote Graphics Software (RGS) 7.1; PDF Complete - Corporate Edition; HP Sure Recover; HP Manageability Integration Kit Gen2
Wi-Fi *	✓		
Top Wi-Fi standard	Wi-Fi 4 (802.11n)		
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Antenna type	2x2	HP segment	Business
Bluetooth	✓		
Bluetooth version	5.0	Weight & dimensions	
Ports & interfaces		Width *	338 mm
USB 2.0 ports quantity *	2	Depth *	381 mm
		Height *	100 mm
		Weight *	5,7 kg
		Display	
		Display included *	✗

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