



HP Z2 G4 Intel® Core™ i7 i7-8700 16 GB DDR4-SDRAM 1 TB HDD Windows 10 Pro Tower Workstation Black

Brand : HP

Product code: 6TS89EA

Product name : Z2 G4

- Windows 10 Pro 64-bit
- Intel Core i7-8700 (12MB Cache, 3.2GHz)
- 16GB (2666MHz) DDR4-SDRAM (1 x 16) & 1000GB HDD, 16GB Intel Optane Memory
Intel Core i7-8700 (12MB Cache, 3.2GHz), 16GB DDR4-SDRAM, 1000GB HDD, 16GB Intel Optane Memory, Intel UHD Graphics 630, LAN, Windows 10 Pro 64-bit

HP Z2 G4 Intel® Core™ i7 i7-8700 16 GB DDR4-SDRAM 1 TB HDD Windows 10 Pro Tower Workstation Black:

Work fast with our most powerful entry workstation

Experience server-grade power in a desktop with impressive expandability. Cut through complex BIM, rendering and visualization projects with high-performance graphics and Intel® processors. HP Z2 G4. Processor frequency: 3.2 GHz, Processor family: Intel® Core™ i7, Processor model: i7-8700. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2666 MHz. Total storage capacity: 1 TB, Storage media: HDD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Pro, Operating system architecture: 64-bit. Chassis type: Tower. Product type: Workstation. Weight: 7 kg. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Headphone outputs	1
Processor family *	Intel® Core™ i7	Line-out	✓
Processor generation	8th gen Intel® Core™ i7	Line-in	✓
Processor model *	i7-8700	Microphone in	✗
Processor cores	6	DVI port	✗
Processor threads	12	Expansion slots	
Processor boost frequency	4.6 GHz	Number of 3.5" bays	2
Processor frequency *	3.2 GHz	PCI Express x1 (Gen 3.x) slots	2
Processor cache	12 MB	PCI Express x4 (Gen 3.x) slots	2
Processor cache type	L3	PCI Express x16 (Gen 3.x) slots	1
System bus rate	8 GT/s	Design	
Bus type	DMI3	Chassis type *	Tower
Processor lithography	14 nm	Placement supported	Vertical
Processor operating modes	64-bit	Number of 5.25" bays	2
Processor series	Intel Core i7-8700 Desktop Series	Product colour *	Black
Processor codename	Coffee Lake	Country of origin	China
Thermal Design Power (TDP)	65 W	Software	
Tjunction	100 °C	Operating system architecture	64-bit
PCI Express slots version	3.0	Operating system installed *	Windows 10 Pro
Maximum number of PCI Express lanes	16	Processor special features	
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel 64	✓
Number of processors installed	1	Enhanced Intel SpeedStep Technology	✓
Processor socket	LGA 1151 (Socket H4)		
Maximum internal memory supported by processor	64 GB		

Processor		Processor special features	
Memory types supported by processor	DDR4-SDRAM	Embedded options available	✓
Memory clock speeds supported by processor	2666 MHz	Intel® InTru™ 3D Technology	✓
Memory bandwidth supported by processor (max)	41.6 GB/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory		Intel Clear Video Technology	✓
Internal memory *	16 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✓
Memory layout (slots x size)	1 x 16 GB	Idle States	✓
Memory slots	4x DIMM	Thermal Monitoring Technologies	✓
Memory clock speed	2666 MHz	Intel Stable Image Platform Program (SIPP)	✓
ECC	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
Storage		Intel® Secure Key	✓
Total storage capacity *	1 TB	Intel® OS Guard	✓
Storage media *	HDD	Intel Trusted Execution Technology	✓
Optical drive type *	✗	Execute Disable Bit	✓
Number of storage drives installed	1	Intel Enhanced Halt State	✓
Total HDDs capacity	1 TB	Intel Software Guard Extensions (Intel SGX)	✓
Number of HDDs installed	1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
HDD capacity	1 TB	Processor package size	37.5 x 37.5 mm
HDD interface	SATA	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
HDD speed	7200 RPM	Processor code	SR3QS
Card reader integrated	✗	Scalability	1S
Intel® Optane™ Memory module installed	✓	CPU configuration (max)	1
Intel® Optane™ Memory module capacity	16 GB	Thermal solution specification	PCG 2015C
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card *	✗	Intel Identity Protection Technology version	1.00
On-board graphics card *	✓	Intel Stable Image Platform Program (SIPP) version	1.00
Discrete graphics card model *	Not available	Intel Secure Key Technology version	1.00
On-board graphics card family	Intel® UHD Graphics	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® UHD Graphics 630	Intel TSX-NI version	1.00
On-board graphics card base frequency	350 MHz	Processor ARK ID	126686
On-board graphics card dynamic frequency (max)	1200 MHz	Intel® Optane™ Memory Ready	✓
Maximum on-board graphics card memory	64 GB	Intel® Turbo Boost Technology	2.0
Number of displays supported (on-board graphics)	3	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card DirectX version	12.0	Intel® Quick Sync Video Technology	✓
On-board graphics card OpenGL version	4.5	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card ID	0x3E92	Conflict-Free processor	✓
Number of execution units	24	Display	
Performance		Display included *	✗
Market positioning	Business	Brand-specific features	
Motherboard chipset	Intel C246	HP BIOSphere Gen4; HP Business PC Security Lock Kit; HP Client Security Suite Gen 4; HP Keyed Cable Lock Kit; HP Solenoid Hood Lock + Sensor; HP Sure Click; HP Sure Run; HP Sure Start Gen 4; HP UltraSlim Cable Lock Kit	
Product type *	Workstation		
Network			
Ethernet LAN *	✓	HP Security tools	
Ethernet LAN data rates	10,100,1000 Mbit/s	HP segment	Business
Wi-Fi *	✗	Audio	
Ports & interfaces		Audio chip	Conexant CX20632-31Z
USB 2.0 ports quantity *	2		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6		

Ports & interfaces		Weight & dimensions	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Width *	356 mm
DisplayPorts quantity	2	Depth *	435 mm
DisplayPort version	1.2	Height *	169 mm
Ethernet LAN (RJ-45) ports	1	Weight *	7 kg
Combo headphone/mic port	✓	Packaging content	
		Mouse included	✓
		Keyboard included	✓



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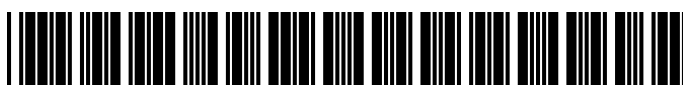
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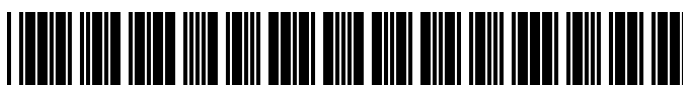
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