MHW-WZ4G5-HEN3 Workstation Z4G5 with GPU



- High-performance workstation with Intel's next-generation microarchitecture
- Multi-monitor support (NVIDIA T1000 8GB graphics card or NVIDIA A1000 8GB graphics card)
- Silent running with HP low acoustics chassis
- Protected by HP Hardware Services, including a 5 years next business day on-site support

The HP Z4G5 workstation with Intel's newest generation microarchitecture delivers high performance and most advanced visualization for video-oriented applications.

Feature-rich functionality
The workstation is ahead of its time with more standard features than any other single processor HP workstation.

All the power without the noise
Next-generation acoustic design delivers quiet performance. A high frequency processor with a multi-core count is fully capable of handling the demands of current video surveillance client software from Bosch.

The world's most secure workstations
Advanced security features come standard on every HP Z4G5 workstation. Rest assured your device, identity and data are safe with security software like HP Client Security Suite3 and HP Sure Start, the industry's first self-healing BIOS with intrusion detection.

System overview

HP Z4 G5 is built to minimizing power and cooling costs with ENERGY STAR qualified configurations featuring 90% efficient power supplies while taking on bigger computing challenges with the latest Intel vPro technology and the next generation Intel Xeon 6-core processor:

- Intel Xeon W-2423 (2.1GHz, 15MB cache, 6C CPU)
- 16 GB (1 x 16 GB) DDR5 4400MHz DIMM ECC Registered Memory

HP Z4G5 is a workstation solution based on the Intel W790 chipset using Intel's vPro technology and on 8 DIMM slots in 4-channel memory architecture.

With 1x PCIe x16 Gen5, 1xPCIe x4 Gen4, 1xPCIe x4 Gen4, 1xPCIe x16 Gen4, 1xPCIe x16 Gen4, 2xPCIe x4 Gen4 (M.2), 1xFront NVMe Storage (SlimSAS PCIe Gen4 x8), HP Z4 G5 delivers high performance bandwidth interfaces and future expandability:

- The architecture of this management workstation delivers next generation I/O throughput to achieve high throughput and visualization requirements.
- The high-end NVIDIA T1000 8GB or NVIDIA A1000 8GB graphics cards* ensure highest performance and resolution for fast presentation of displayed video data.

*In the future the NVIDIA T1000 8GB graphics card will not be available.
HP Z4G5 Management Workstation is the high-performance workstation suitable for running the security systems software applications offered by Bosch.
Refer to the respective application data sheets to get detailed information.

Regulatory information

RoHS	Compliant with the European Union's Restrictions of Hazardous Substances (RoHS) Directive 2011/65/EU
WEEE	Designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive-2002/96/EC
ISO 11469 ISO 1043	Plastic parts used in the product weighing over 25 g are marked per ISO 11469 and ISO 1043
	Contains 0% recycled materials (by weight)

	Product is >90% recyclable when properly disposed of at end-of-life

Region	Regulatory compliance/quality marks
Europe	CE
China	CCC
Great Britain	UKCA
India	BIS
Korea	KCC

Installation/configuration notes

Language selection

The management workstations come in a standard localization:

- MHW-WZ4G5-HEN3 with American English keyboard

Support

- HP 5-year next Business Day on-site hardware support

Notice

The Next Business Day on-site service level can only be provided if the respective system has been registered within eight weeks after receipt. Otherwise, service will be provided based on best effort. Information about registration details is available on the registration label found on the product or from the Bosch online product catalog.
Next Business Day Services cannot be provided in every country everywhere.

Notice

The Bosch Bosch management workstation comes with pre-installed Microsoft Windows 11 Professional 64-bit for Workstations OS.

Configuration of Z4 G5 Management Workstation

Z4 G5 Management Workstation including 90% 525 W Chassis
• Microsoft Windows 11 Professional 64-bit for Workstations OS
• Intel Xeon W-2423 (2.1GHz, 15MB cache, 6C CPU)
• 16 GB (1 x 16 GB) DDR5 4400 MHz DIMM ECC RAM
• 512GB PCIe-4x4 2280 TLC M.2 SSD
• NVIDIA T1000 8GB or NVIDIA A1000 8GB

Parts included

Quantity	Component
1	MHW-WZ4G5-HEN3 Workstation
1	Quick installation guide

Technical specifications

Electrical

Type of power supply	VAC
Actual output wattage from power supply (W)	525 W
Efficiency of power supply (%)	90%
Input voltage (VAC)	100 VAC – 240 VAC
Operating voltage (VAC)	90 VAC – 269 VAC
Power frequency	50 Hz; 60 Hz
Operating line frequency range	47 - 66 Hz
Rated input current (A)	6 A
Maximum heat loss (BTU/h)	1484 BTU/h (112 kcal/h)
Power supply efficiency rating	80 PLUS Gold
Dimensions of power supply fan (H x W x D) (mm)	80 x 80 X 25 mm
ENERGY STAR certified	Yes
FEMP standby power compliant (Wake-on-LAN disabled: <1W in S5 - Power Off)	Yes
EuP compliant at 230 V	Yes

Mechanical

Form factor	Tower
Dimensions (H x W x D) (mm)	386 mm x 169 mm x 445 mm
Dimensions (H x W x D) (in)	15.20 in x 6.65 in x 17.52 in
Rack unit (U)	4 U

Electrical

Operating temperature (°C)	5 °C – 35 °C
Operating temperature (°F)	40 °F – 95 °F
Storage temperature (°C)	-40 °C – 60 °C
Storage temperature (°F)	-40 °F – 140 °F
Operating relative humidity, non-condensing (%)	8% – 85%
Non-operating relative humidity, non-condensing (%)	8% - 90%

Maximum operating altitude, non-pressurized (m)	3.048 m
Maximum operating altitude, non-pressurized (ft)	10000 ft
Maximum non-operating altitude, non-pressurized (m)	9.144 m
Maximum non-operating altitude, non-pressurized (ft)	30000 ft

Graphics card

GPU memory	8 GB GDDR6
Display connectors	4 x mDP 1.4 with latching mechanism
Maximum simultaneous displays	4x 3840 x 2160 @ 120Hz 4x 5120 x 2880 @ 60Hz 2x 7680 x 4320 @ 60Hz

Notes:
General technical specifications for the workstation are provided in the HP Z4G5 QuickSpecs.

Trademarks:

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- 80 PLUS is a registered trademark of Ecos, all rights reserved.

Ordering information

MHW-WZ4G5-HEN3 Workstation Z4G5 with GPU
High-performance management workstation for video oriented applications.
With American English keyboard and NVIDIA T1000 8GB graphics card or NVIDIA A1000 8GB graphics card.
Note: In the future the NVIDIA T1000 8GB graphics card will no longer be available.
Order number **MHW-WZ4G5-HEN3**

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