Z2 G4 Management Workstation

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BOSCH

Invented for life

▶ High-end workstation with latest generation Intel Core i7 six-core processor

▶ Multi-monitor support (up to 4 monitors with NVIDIA Quadro P620 graphics card and up to 2 monitors with Intel onboard graphics)

▶ Protected by HP Hardware Services, including a 3 years Next Business Day on-site support

This HP Z2 Small Form Factor G4 (HP Z2 SFF G4) workstation with workstation-class reliability designed for heavy 24 x 7 x 365 workloads, delivers next-generation processor and graphics visualization for the Bosch video-oriented applications. The capable SFF platform is ideal where a small footprint and quiet operation is of importance.

Engineered to impress, HP Z2 SFF G4 conserves space and maintains workstation performance. At a 57% smaller form factor than the tower it provides the capability and flexibility you demand.

The stunning new design features front and rear ledges, so you can easily move your system from location to location.

Get powerful protection from evolving malware threats with self-healing, hardware-enforced security solutions like HP Sure Start Gen4 which protects against BIOS attacks.

With the built-in NVIDIA Quadro P620 graphics card you can realize impressive video performance.

System overview

HP Z2 SFF G4 provides you powerful performance with the latest Intel Core i7 processor:

- Intel Core i7-8700 processor (3.2 GHz, 65 W, 12 MB Cache, 2666 MT/s memory speed, Six-Core, Intel Turbo Boost Technology, Intel vPro Technology, Hyper-Threading)
- 8 GB (1 x 8 GB) DDR4-2666 UDIMM NECC memory

Save energy with HP ENERGY STAR qualified configuration including a 92% efficient power supply. ENERGY STAR qualified configurations of this product are in compliance with the IEEE 1680 (EPEAT) standard at the Gold level where HP registers workstation products.

HP Z2 SFF G4 is a workstation solution based on the Intel C246 chipset offering future expandability.

The small form factor NVIDIA Quadro P620 (2 GB) 3D graphics card supported by the high-speed i7 processor ensures high performance and resolution for fast presentation of displayed video data.

Z2 G4 Management Workstation is the high-end workstation suitable for running the security systems software applications offered by Bosch on a small footprint.

Please refer to the respective application data sheets to get detailed information.

Certifications and approvals

RoHS	Compliant with the Restrictions of Hazardous Substances (RoHS) directive 2002/95/EC and 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
	Product is >90% recyclable when properly disposed of at end-of-life
Batteries	The battery in this product complies with EU directive 2006/66/EC Battery size: CR2032 (coin cell) Battery type: Lithium Metal
Eco-Label certifications & declarations	This product is low halogen except for power cords, cables and peripherals. Service parts obtained after purchase may not be low halogen. • ENERGY STAR (energy-saving features available on selected configurations - Windows only) • US Federal Energy Management Program (FEMP) • China Energy Conservation Program (CECP) • IT ECO declaration

Region	Regulatory compliance/quality marks	
Europe	CE	Z2 G4 Declaration of Conformity

Installation/configuration notes

This management workstation comes in 2 standard configurations:
- MHW-WZ2G4-P06 with American English keyboard and NVIDIA Quadro P620 graphics card
- MHW-WZ2G4-NG with American English keyboard and Intel onboard graphics

Additional optional keyboards listed under **Ordering Information** are available.

> **i** **Notice**
> The Bosch management workstation comes with Microsoft Windows 10 pre-installed.

> **i** **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 in every shipment (registration form) or from the Bosch online product catalog.
> Next Business Day Services cannot be provided in every country everywhere. For limitations and exceptions see the registration details in the registration form.

Components of Z2 G4 Management Workstation

Quantity	Component
1	Z2 G4 Management Workstation, including 90% 310 W chassis
1	• Microsoft Windows 10 Professional Edition 64-bit OS
1	• Intel Core i7-8700 (3.2 GHz, 12 MB cache, 2666 MT/s memory speed, 6-core CPU)
1	• 8 GB (1 x 8 GB) DDR4 2666 UDIMM NECC memory
1	• 500 GB, 7200 RPM SATA 3.5 inch HDD
1	• NVIDIA Quadro P620 or Intel onboard graphics
1	USB business slim wired keyboard (American English)
1	HP optical USB mouse
1	HP serial port adapter
1	Bosch BT recovery DVD
1	HP 3-year Next Business Day on-site hardware support

Technical specifications

Electrical	
Power supply	310 W, wide ranging, Active Power Factor Correction, 90% efficient
Operating voltage range	90 to 264 VAC
Rated voltage range	100 to 240 VAC
Rated line frequency	50/60 Hz
Operating line frequency range	47 to 63 Hz
Rated input current	4 A at 100 to 240 V

Mechanical

Form factor	Small Form Factor
Chassis dimensions (H x W x D) Minitower or desktop orientation	Standard desktop orientation: 100 x 338 x 381 mm (3.95 x 13.3 x 15.0 in) Optional SFF tower orientation (excluding stand dimension): 338 x 100 x 381 mm (13.3 x 3.95 x 15.0 in)
Weight	Typical weight: 6.3 kg (13.82 lbs) Shipping weight: 9.35 kg (20.6 lbs)

Environmental

Temperature	
• operating	5 ℃ to 35 ℃ (40 ℉ to 95 ℉)
• non-operating	-40 ℃ to 60 ℃ (-40 ℉ to 140 ℉)
Humidity	
• operating	10 to 85% relative humidity, non-condensing
• non-operating	10 to 90% relative humidity, non-condensing
Maximum altitude	
• operating	3,048 m (10,000 feet)
• non-operating	12,192 m (40,000 feet)

Maximum operating temperature is reduced as altitude increases (see QuickSpecs for details).

Notes:
- General technical specifications for the workstation are provided in the HP Z2 SFF G4 QuickSpecs (DA-16217 - Worldwide - Version 3 - August 16, 2018).

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Ordering information

MHW-WZ2G4-P06 Z2G4 Workstation, P620 GPU
Workstation performance edition for video-oriented applications.
With American English keyboard and NVIDIA Quadro P620 graphics card.
Order number **MHW-WZ2G4-P06**

MHW-WZ2G4-NG Z2G4 Workstation, No graphics
Workstation performance edition for video-oriented applications.
With American English keyboard and Intel onboard graphics.
Order number **MHW-WZ2G4-NG**

Accessories

MHW-AWLCK-ESP Keyboard Spanish
Localization (Keyboard): Spain - Spanish
Order number **MHW-AWLCK-ESP**

MHW-AWLCK-FR Keyboard French
Localization (Keyboard): France - French
Order number **MHW-AWLCK-FR**

MHW-AWLCK-IT Keyboard Italian
Localization (Keyboard): Italy - Italian
Order number **MHW-AWLCK-IT**

MHW-AWLCK-NL Keyboard Dutch
Localization (Keyboard): Netherlands - Dutch
Order number **MHW-AWLCK-NL**

MHW-AWLCK-SE Keyboard Swedish
Localization (Keyboard): Sweden - Swedish
Order number **MHW-AWLCK-SE**

MHW-AWLCK-UK Keyboard English (UK)
Localization (Keyboard): United Kingdom - British English
Order number **MHW-AWLCK-UK**

MHW-AWLCK-DE Keyboard German
Localization (Keyboard): Germany - German
Order number **MHW-AWLCK-DE**

MHW-AWLCK-RU Keyboard Russian
Localization (Keyboard): Russia - Russian
Order number **MHW-AWLCK-RU**