BOSCH

Invented for life

MHW-S380R7-HC Management Server

▸ **Highest performance with two dual-core Intel® Xeon® Processors E5503 (2.0 GHz, 4 MB L3 cache, 80 W, DDR3-800)**

▸ **800 MHz front-side bus (FSB) support**

▸ **4 GB (2 x 2 GB) PC3-10600R (running at 800 MHz) Registered DIMMs (RDIMMs)**

▸ **6 Gigabit Ethernet Ports: 2 x HP NC382i Dual Port Multifunction Gigabit Server Adapters and 1 x NC382T PCIe Dual Port Gigabit Server Adapter**

▸ **2U rack for 19" rack deployment**

▸ **Protected by HP Services**

The HP ProLiant DL380 Generation 7 (G7) continues to deliver on its history of engineering excellence and delivers superior performance with improved consolidation over previous-generation servers. Increased flexibility, enterprise-class uptime, advanced management features, latest processor series, and 2U density make it well-suited for demanding video applications.

The MHW-S380R7-HC Management Server is designed for highest-performance video applications that require high availability and redundancy. With its hot plug fans and power supplies, it delivers high system availability where the number of unplanned downtimes due to hardware failures is minimized, while its RAID controller provides internal RAID-1 operating system protection.

With two state-of-the-art dual-core Intel® Xeon® Processors E5503 (2.0 GHz, 4 MB L3 cache, 80 W, DDR3-800), and 4 GB (2 x 2 GB) PC3-10600R (running at 800 MHz) Registered DIMMs, it provides the performance, scalability, and support for memory-demanding applications in large-sized environments. In addition, HP Services protects the server with a 4-hour 24 x 7, 3-year advanced warranty in selected countries.

The server comes in a 2U, 19" rack mount version with a quick-deploy rail system, including sliding universal rails. The rack mount version allows access to all system components for easy in-rack serviceability.

Functions

The MHW-S380R7-HC Management Server provides the performance and memory needed for large-sized environments and is the high-end product in the Bosch server portfolio for enterprise environments.

Certifications and Approvals

Region	Certification	
Europe	CE	DL380 G7 Server
Global	RoHS	HP Compliance with RoHS directives

Installation/Configuration Notes

The MHW-S380R7-HC Management Server is ideal for performance- and memory-demanding enterprise environments. Please refer to the respective application data sheets to get detailed information.

Note   The MHW-S380R7-HC base unit does not come with a predefined language but offers a choice of language options. One of the localization kits listed under **Ordering Information** must be selected when ordering.

The MHW-S380R7-HCUS base unit comes with a US localization kit.

Parts Included

Quantity	Components
1	HP DL380 G7 CTO Chassis
2	• HP E5503 DL380 G7 Processor
2	• HP 2 GB 2Rx8 PC3-10600R-9 Memory
1	• HP Slim 12.7 mm SATA DVD Optical
2	• HP 146 GB 3 G SAS 10 K 2.5 in DP ENT HDD
1	• HP NC382T PCIe Dual Port Gigabit Svr Adapter
2	• HP 460 W HE 12 V Hotplug AC Power Supply
1	• HP RAID-1
1	MS Windows 2003 Server R2, Std Edition OS, 32-bit
1	HP HW Support, 4-hour 24 x 7, 3-year advanced warranty (not available in all countries, registration required)

Technical Specifications

Electrical

Input requirements (per 460 W power supply)

•	rated line voltage	100 to 120 VAC, 200 to 240 VAC
•	rated input current	5.5 A (at 100 VAC)
		2.6 A (at 200 VAC)
•	rated input frequency	50 to 60 Hz
•	rated input power	526 W (at 100 VAC)
		505 W (at 200 VAC)
BTU rating		1794 BTU/h (at 100 VAC)
		1725 BTU/h (at 200 VAC)

Output power (per power supply)

•	rated steady-state power	460 W (at 100 to 120 VAC)
		460 W (at 200 to 240 VAC)
•	maximum peak power	460 W (at 100 to 120 VAC)
		460 W (at 200 to 240 VAC)

Mechanical

Dimensions (H x W x D)	8.59 x 44.54 x 69.22 cm (3.38 x 17.54 x 27.25 in)

Environmental

System inlet temperature

•	operating	10 ℃ to 35 ℃ (50 ℉ to 95 ℉) at sea level with an altitude derating of 1.0 ℃ per every 305 m (1.8 ℉ per every 1000 ft) above sea level to a maximum of 3050 m (10,000 ft), no direct sustained sunlight. Maximum rate of change is 10 ℃/h (18 ℉/h). The upper limit may be limited by the type and number of options installed.
		System performance may be reduced if operating with a fan fault or above 30 ℃ (86 ℉).
•	non-operating	-30 ℃ to 60 ℃ (-22 ℉ to 140 ℉). Maximum rate of change is 20 ℃/h (36 ℉/h).

Relative humidity

•	operating	10 to 90% relative humidity (Rh), 28 ℃ (82.4 ℉) maximum wet bulb temperature, non-condensing
•	non-operating	5 to 95% relative humidity (Rh), 38.7 ℃ (101.7 ℉) maximum wet bulb temperature, non-condensing

Notes:

- General technical specifications for the server are provided in the HP DL380 G7 QuickSpecs (Worldwide — Version 14 — August 18, 2010).
- Configuration specifications are supplied in the Parts Included section.

Hewlett Packard and the HP logo are registered trademarks of Hewlett Packard, all rights reserved. All data and dimensions are referenced from the Hewlett Packard QuickSpecs and are subject to change without notice.

Intel and Xeon are trademarks of Intel Corporation in the U.S. and other countries.

Ordering Information

MHW-S380R7-HC Management Server High-end server, highest performance (localization kit must be ordered separately)	**MHW-S380R7-HC**
MHW-S380R7-HCUS Management Server High-end server, highest performance, including US localization kit	**MHW-S380R7-HCUS**
Accessories	
MHW-AWLCK-DE Localization Kit Localization (OS/keyboard): Germany—German	**MHW-AWLCK-DE**
MHW-AWLCK-FR Localization Kit Localization (OS/keyboard): France—French	**MHW-AWLCK-FR**
MHW-AWLCK-IT Localization Kit Localization (OS/keyboard): Italy—Italian	**MHW-AWLCK-IT**
MHW-AWLCK-UK Localization Kit Localization (OS/keyboard): United Kingdom —British English	**MHW-AWLCK-UK**

Ordering Information

MHW-AS1P-SCSI 1-Chan. U320 PCI-E SCSI HBA 1-Chan. U320 PCI-E SCSI HBA	**MHW-AS1P-SCSI**
MHW-ASILO-ADP ILO Advanced Pack ALL Integrated Lights Out remote management package	**MHW-ASILO-ADP**