

# DL380p Gen8 Management Server

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Invented for life



- ▶ High performance with one six-core Intel Xeon Processor E5-2620 (2.0 GHz, 6-core, 15 MB, 95 W)
- ▶ 8 GB (2 x 4 GB) PC3L-10600R (DDR3-1333) Registered DIMMs (RDIMMs)
- ▶ 1 x Four Port Gigabit Server Adapter
- ▶ 2U rack for 19" rack deployment
- ▶ Protected by HP Services

The HP ProLiant DL380p Generation 8 (Gen8) performance model with enhanced configuration flexibility, high performance, and leading energy efficient design offers the perfect solution for demanding video applications.

HP ProLiant DL380p Gen8 Server is engineered to provide reliability, accessibility, and serviceability and to protect your investment. This versatile rack-optimized server balances efficiency and performance, and makes management simple and effective. The next generation HP server platform offers higher performance, better power efficiency, and more adaptability with the built-in Intel Xeon E5-2600 processor family, including Intel QuickPath.

#### Key features and benefits

- Intel Xeon E5-2600 series with dual QuickPath Interconnect (QPI), up to 80% more performance
- Integrated Memory Controller, Turbo Boost, Intelligent Power Technologies, and Trusted Execution Technology
- Four channels per DIMM and 24 memory DIMM slots, 2 x the memory capacity over G7 with 768 GB max memory
- Creates greater memory bandwidth, DIMM count, and new memory health programs with less downtime with HP SmartMemory; HP SmartMemory delivers up to 2 x more memory capacity over previous generations

- Up to 6 PCIe Gen3 slots, 200% more I/O capacities with PCIe- Gen33
- HP SmartStorage Solution, up to 200% more performance with HP SmartDrives, HP Smart Array
- Active Health Always-on diagnostics, 5 x faster root cause diagnostics
- Provides complete data protection with embedded HP Smart Array P420i RAID controller, transportable Flash Back Write Cache (FBWC)
- Qualifies ENERGY STAR ProLiant DL380p Gen8 Server configurations
- Enables ambidextrous cable management arm option with cabling flexibility and management for quick access to the server
- Installs quickly with new universal tool-free sliding rails, quick release levers allow fast server access
- Provides 24 x 7 continuous health monitoring with HP Active Health System that logs 100% configuration changes, and helps quicken analysis of problems with HP Service and Support
- Automated Energy Optimization improves the server's ability to analyze and respond to "3D sea of sensors" data within the server as well as self-identify location and inventory through HP Insight Control for maximum workload optimization across the entire data center.

- Precise control of server fans to direct cooling and reduce unnecessary fan power with the first 3D array of temperature sensors that is part of the HP-unique Thermal Discovery.

The HP DL380 Generation 8 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-S380R8-SC Management Server is designed for high-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 one state-of-the-art latest generation six-core Intel Xeon Processor E5-2620 (2.0 GHz, 6-core, 15 MB, 95 W), and 8 GB (2 x 4 GB) single rank x4 PC3L-10600R (DDR3-1333) Registered DIMMs, it provides the performance, scalability, and support for memory-demanding applications in medium- to enterprise-sized environments. In addition, HP Services protects the server with a 3-year standard warranty (Next Business Day). Optional an advanced service level with 3 years, 4 hours, 24 x 7 is available. 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-S380R8-SC Management Server provides the performance and memory needed for medium- to enterprise-sized environments.

### Certifications and approvals

Region	Certification	
Europe	CE	DL380p G8 Server
Global	RoHS	HP Compliance with RoHS directives 2012

### Installation/configuration notes

The MHW-S380R8-SC Management Server is ideal for high performance- and memory-demanding medium- to enterprise-sized environments. Please refer to the respective application data sheets to get detailed information.



### Notice

This Management Server comes in two standard localizations:

MHW-S380R8-SC British English Localization/  
Keyboard

MHW-S380R8-SCUS American English  
Localization/Keyboard

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

### Parts included

Quantity	Component
1	HP DL380p G8 CTO Chassis
1	<ul style="list-style-type: none"> <li>• HP DL380p G8 Intel Xeon E5-2620 FIO processor (2.0 GHz/6-core/15 MB/95 W)</li> </ul>
2	<ul style="list-style-type: none"> <li>• HP 4 GB (1 x 4 GB) single rank x4 PC3L-10600R (DDR3-1333) memory</li> </ul>
1	<ul style="list-style-type: none"> <li>• HP Slim 12.7 mm SATA DVD optical</li> </ul>
2	<ul style="list-style-type: none"> <li>• HP 146 GB 6 G SAS 15 K rpm SFF (2.5-inch) SC enterprise 3-year warranty hard drive</li> </ul>
1	<ul style="list-style-type: none"> <li>• HP Ethernet 1 GB 4-port 331FLR adapter</li> </ul>
2	<ul style="list-style-type: none"> <li>• HP 460 W HE 12 V hotplug AC power supply</li> </ul>
1	<ul style="list-style-type: none"> <li>• HP RAID-1</li> </ul>
1	MS Windows server 2008 R2 standard edition, 64 bit
1	HP HW support, 3-year standard warranty, Next Business Day
1	Optional: HP 3-year 4 hour 24 x 7 ProLiant DL38x(p) hardware support

### Technical specifications

Electrical	
Input requirements (per 460 W power supply)	
<ul style="list-style-type: none"> <li>• rated line voltage</li> </ul>	100 to 120 VAC, 200 to 240 VAC
<ul style="list-style-type: none"> <li>• rated input current</li> </ul>	5.5 A (at 100 VAC)
<ul style="list-style-type: none"> <li>•</li> </ul>	2.6 A (at 200 VAC)
<ul style="list-style-type: none"> <li>• rated input frequency</li> </ul>	50 to 60 Hz
<ul style="list-style-type: none"> <li>• rated input power</li> </ul>	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)	

<b>Electrical</b>	
• 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)
<b>Mechanical</b>	
Dimensions (H x W x D)	8.73 x 44.55 x 69.85 cm (3.44 x 17.54 x 27.50 in)
<b>Environmental</b>	
System inlet temperature	
• operating	10 °C to 35 °C (50 °F to 95 °F) at sea level with an altitude derating of 1.0 °C per every 304.8 m (1.8 °F per every 1000 ft) above sea level to a maximum of 3048 m (10,000 ft), no direct sustained sunlight. Maximum rate of change is 10 °C/h (18 °F/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 °C (86 °F).
• non-operating	-30 °C to 60 °C (-22 °F to 140 °F). Maximum rate of change is 20 °C/h (36 °F/h).
Relative humidity	
• operating	10 to 90% relative humidity (Rh), 28 °C (82.4 °F) maximum wet bulb temperature, non-condensing
• non-operating	5 to 95% relative humidity (Rh), 38.7 °C (101.7 °F) maximum wet bulb temperature, non-condensing
Emissions classification (EMC)	
• FCC rating	Class A
• normative standards	CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; K22;K24; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1

**Notes:**

- General technical specifications for the server are provided in the HP DL380p Gen8 QuickSpecs (Worldwide – Version 25 – October 26, 2012).
- Configuration specifications are supplied in the Parts Included section.

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**Ordering information****MHW-S380R8-SC Bosch Standard Application Server**

High performance standard application server, British English localization included

Order number **MHW-S380R8-SC**

**MHW-S380R8-SCUS Bosch Standard Application Server**

High performance standard application server, American English localization included

Order number **MHW-S380R8-SCUS**

**Accessories****MHW-AWLCK-DE**

Localization (Keyboard): Germany—German

Order number **MHW-AWLCK-DE**

**MHW-AWLCK-FR**

Localization (Keyboard): France—French

Order number **MHW-AWLCK-FR**

**MHW-AWLCK-IT**

Localization (Keyboard): Italy—Italian

Order number **MHW-AWLCK-IT**

**MHW-AWLCK-UK**

Localization (Keyboard): United Kingdom—British English

Order number **MHW-AWLCK-UK**

**MHW-ASILO-ADP ILO Advanced Pack ALL**

Integrated Lights Out remote management package

Order number **MHW-ASILO-ADP**

**MHW-ASCP-3Y4H HW Support, 4 hrs, 24x7, 3 yrs**

HP Care Pack: 4 hours reaction time, 24x7, 3 years (registration required)

Order number **MHW-ASCP-3Y4H**

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