

DL380 Gen10 Management Server

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Invented for life



- ▶ Easily hardening your system with the pre-installed BVMS hardening tool
- ▶ High performance with one 8-core processor Intel Xeon Silver 4110
- ▶ 32 GB (2 x 16 GB) DDR4-2666 Registered Smart Memory Kit
- ▶ 2 x 4-port Gigabit server adapter
- ▶ 2U rack for 19" rack deployment

The HPE ProLiant DL380 Gen10 (Generation 10) server performance model with enhanced configuration flexibility, high performance, and leading energy efficient design offers the perfect solution for demanding video applications.

System overview

HPE ProLiant DL380 Gen10 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: a single platform to handle a wide variety of enterprise workloads.

Significant performance gain from the Intel Xeon Silver 4110 processors and power saving features, such as, ENERGY STAR rated systems and 96 % efficient (Titanium), HP Flexible Slot Power Supplies to drive down energy costs.

Key features and benefits

- Intel Xeon Silver 4110 series with Enhanced Intel SpeedStep Technology: Enhanced Intel SpeedStep Technology is an advanced means of enabling high performance while meeting the power-conservation needs
- Integrated Memory Controller, Turbo Boost, Intelligent Power Technologies, and Trusted Execution Technology

- HP SmartMemory: HP SmartMemory increases memory quality and reliability, enables performance features and improves the power efficiency
- Active Health Always-on diagnostics, 5 x faster root cause diagnostics
- Provides complete data protection with embedded HPE Smart Array P408i-a storage controller
- Qualifies ENERGY STAR HPE ProLiant DL380 Gen10 server configurations
- 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 HPE 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

HPE ProLiant DL380 Gen10 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 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 storage controller provides internal RAID-1 operating system protection. With one state-of-the-art latest generation 8-core Intel Xeon Silver 4110 processor (2.1 GHz, 8-core, 85 W), and 32 GB (2 x 16 GB) DDR4-2666 Registered Smart Memory Kit, 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 warranty. Optional an advanced service level with 3 years, 4 hours, 24 x 7 is available (please refer to note below).

HPE ProLiant DL380 Gen10 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.

Certifications and approvals

Region	Regulatory compliance/quality marks	
Europe	CE	DoC_DL380_G10_CE_HSTNS-5200_R2

Installation/configuration notes

HPE ProLiant DL380 Gen10 management server provides the performance and memory needed for medium- to enterprise-sized environments. Please refer to the respective application data sheets to get detailed information.

Language selection

The management server comes in a standard localization:

MHW-S380RA-SC Bosch Standard Application Server with American English localization/keyboard. Additional optional keyboards listed under Ordering information are available.

Components of DL380 Gen10 Management Server

Quantity	Component
1	HPE ProLiant DL380 Gen10 8SFF CTO server
1	HPE ProLiant DL380 Gen10 Intel Xeon Silver 4110 FIO processor kit (2.1 GHz/8-core/85 W)
2	HPE 16 GB (1 x 16 GB) Single Rank x4 DDR4-2666 CAS-19-19-19 Registered Smart Memory Kit
1	HP SATA DVD-ROM drive JackBlack Gen9
2	HPE 300 GB SAS 12G Enterprise 15K SFF (2.5 in) HDD

Quantity	Component
1	HP Ethernet 1 GB 4-port on-board
1	HP Ethernet 1 GB 4-port 366FLR adapter
2	HP 500 W FS hotplug AC power supply
1	HP RAID-1
1	HP iLO 5, HP Intelligent Provisioning integrated
1	MS Windows Server 2016 R2 standard edition, 64 bit plus license and media kit for Microsoft Windows Server 2012
1	HP HW support, 3-year warranty
1	Optional: HP 3-year 4 hour 24 x 7 ProLiant DL38x(p) hardware support

Technical specifications

Electrical

Input requirements (per 500 W power supply)

Rated line voltage	100 to 120 VAC
	200 to 240 VAC
BTU rating	1979 BTU/h at 100 VAC
	1911 BTU/h at 200 VAC
	1965 BTU/h at 240 VAC (China only)

Power supply output (per power supply)

<ul style="list-style-type: none"> rated steady-state power 	500 W at 100 VAC
	500 W at 240 VAC
<ul style="list-style-type: none"> maximum peak power 	500 W at 100 to 127 VAC
	500 W at 200 to 240 VAC

Mechanical

Dimensions (H x W x D)	8.73 x 44.54 x 67.94 cm (3.44 x 17.54 x 26.75 in)
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Environmental

System inlet temperature

<ul style="list-style-type: none"> operating 	10 °C to 35 °C (50 °F to 95 °F) at sea level with an altitude derating of 1.0 °C per every 305 m (1.8 °F 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 20 °C/h (36 °F/h). The upper limit and rate of change may be limited by the type and number of options installed.
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Environmental

	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	8 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

Notes:

- General technical specifications for the server are provided in the HPE DL380 Gen10 QuickSpecs (Worldwide - Version 9 - February 5, 2018).
- Configuration specifications are supplied in the section **Installation/configuration notes**.

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Ordering information**MHW-S380RA-SC Bosch Standard Application Server**

High-performance standard application management server.

American English

Order number **MHW-S380RA-SC**

Accessories**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-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**

Services**MHW-S380RA-NBD3Y MHW-S380RA-SC PoS UPG 3Y NBD Repair**

3 years next business day repair warranty extension for MHW-S380RA-SC Bosch Standard Application Server.

Order number **MHW-S380RA-NBD3Y**

MHW-S380RA-NBD4Y MHW-S380RA-SC PoS UPG 4Y NBD Repair

4 years next business day repair warranty extension for MHW-S380RA-SC Bosch Standard Application Server.

Order number **MHW-S380RA-NBD4Y**

MHW-S380RA-NBD5Y MHW-S380RA-SC PoS UPG 5Y NBD Repair

5 years next business day repair warranty extension for MHW-S380RA-SC Bosch Standard Application Server.

Order number **MHW-S380RA-NBD5Y**

MHW-S380RA-4H3Y MHW-S380RA-SC PoS UPG 3Y 24x7 4h Repair

3 years 24x7 within 4 hours repair warranty extension for MHW-S380RA-SC Bosch Standard Application Server.

Order number **MHW-S380RA-4H3Y**

MHW-S380RA-4H4Y MHW-S380RA-SC PoS UPG 4Y 24x7 4h Repair

4 years 24x7 within 4 hours repair warranty extension for MHW-S380RA-SC Bosch Standard Application Server.

Order number **MHW-S380RA-4H4Y**

MHW-S380RA-4H5Y MHW-S380RA-SC PoS UPG 5Y 24x7 4h Repair

5 years 24x7 within 4 hours repair warranty extension for MHW-S380RA-SC Bosch Standard Application Server.

Order number **MHW-S380RA-4H5Y**

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