

# DL380 Gen9 Management Server

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- ▶ High performance with one six-core Intel Xeon Processor E5-2620v3 (2.4 GHz, 6-core, 15 MB, 85 W)
- ▶ 16 GB (4 x 4 GB) PC4-1866 (DDR4-2133P) Registered DIMMs (RDIMMs)
- ▶ 1 x four port Gigabit server adapter
- ▶ 2U rack for 19" rack deployment
- ▶ Protected by HP Services

The HP ProLiant DL380p Gen9 (Generation 9) server performance model with enhanced configuration flexibility, high performance, and leading energy efficient design offers the perfect solution for demanding video applications.

## System overview

HP ProLiant DL380p Gen9 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 Haswell E5-2620v3 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 E5-2600v3 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

- Four channels per processor, 12 DIMM slots per processor, and 3 DIMMs per channel DDR4 memory with 1.5 TB max memory
- HP SmartMemory: HP SmartMemory increases memory quality and reliability, enables performance features and improves the power efficiency
- 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 P440ar/2G storage controller
- Qualifies ENERGY STAR HP ProLiant DL380p Gen9 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 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

HP ProLiant DL380p Gen9 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 six-core Intel Xeon Processor E5-2620v3 (2.4 GHz, 6-core, 15 MB, 85 W), and 16 GB (4 x 4 GB) PC4-1866 (DDR4-2133P) Registered DIMM, 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 onsite warranty (Next Business Day). Optional an advanced service level with 3 years, 4 hours, 24 x 7 is available (please refer to note below).

HP ProLiant DL380p Gen9 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 | Certification |                                         |
|--------|---------------|-----------------------------------------|
| Europe | CE            | DL380 G9 Server                         |
| Global | RoHS          | HP Compliance with RoHS directives 2012 |

### Installation/configuration notes

DL380 Gen9 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 two standard localizations:

- DL380 Gen9 Management Server (MHW-S380R9-SC), British English localization/keyboard
- DL380 Gen9 Management Server US (MHW-S380R9-SCUS), American English localization/keyboard

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

### Parts included

| Quantity | Components                                                                                                                                 |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1        | HP ProLiant DL380p Gen9 CTO Chassis                                                                                                        |
| 1        | <ul style="list-style-type: none"> <li>• HP ProLiant DL380p Gen9 Intel Xeon E5-2620v3 FIO processor (2.4 GHz/6-core/15 MB/85 W)</li> </ul> |
| 4        | <ul style="list-style-type: none"> <li>• HP 4 GB (1 x 4 GB) PC4-1866 (DDR4-2133P) 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 366FLR adapter</li> </ul>                                                 |
| 2        | <ul style="list-style-type: none"> <li>• HP 500 W FS 12 V hotplug AC power supply</li> </ul>                                               |
| 1        | <ul style="list-style-type: none"> <li>• HP RAID-1</li> </ul>                                                                              |
|          | <ul style="list-style-type: none"> <li>• HP iLO 4, HP Intelligent Provisioning integrated</li> </ul>                                       |
| 1        | MS Windows Server 2012 R2 standard edition, 64 bit                                                                                         |
| 1        | HP HW support, 3-year onsite warranty, Next Business Day                                                                                   |
| 1        | Optional: HP 3-year 4 hour 24 x 7 ProLiant DL38x(p) 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 in every shipment (registration form) or from the Bosch online product catalogue.

Next Business Day Services cannot be provided in every country everywhere. For limitations and exceptions see the registration details in the registration form.

### Technical specifications

| Electrical                                                                |                                |
|---------------------------------------------------------------------------|--------------------------------|
| Input requirements (per 500 W power supply)                               |                                |
| <ul style="list-style-type: none"> <li>• range line voltage</li> </ul>    | 100 to 120 VAC, 200 to 240 VAC |
| <ul style="list-style-type: none"> <li>• rated input current</li> </ul>   | 5.8 A at 100 VAC               |
| <ul style="list-style-type: none"> <li>•</li> </ul>                       | 2.8 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>     | 580 W at 100 VAC max           |
|                                                                           | 560 W at 200 VAC max           |

| Electrical                      |                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BTU rating                      | 1979 BTU/h at 100 VAC                                                                                                                                                                                                                                                                                                                    |
|                                 | 1965 BTU/h at 200 VAC                                                                                                                                                                                                                                                                                                                    |
| Output power (per power supply) |                                                                                                                                                                                                                                                                                                                                          |
| • rated steady-state power      | 500 W at 100 to 120 VAC                                                                                                                                                                                                                                                                                                                  |
|                                 | 500 W at 200 to 240 VAC                                                                                                                                                                                                                                                                                                                  |
| • maximum peak power            | 500 W at 100 to 120 VAC                                                                                                                                                                                                                                                                                                                  |
|                                 | 500 W at 200 to 240 VAC                                                                                                                                                                                                                                                                                                                  |
| Mechanical                      |                                                                                                                                                                                                                                                                                                                                          |
| Dimensions (H x W x D)          | 8.73 x 44.55 x 73.02 cm<br>(3.44 x 17.54 x 28.75 in)                                                                                                                                                                                                                                                                                     |
| Environmental                   |                                                                                                                                                                                                                                                                                                                                          |
| 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,                                                                                                                                                                                                                                                                                                  |

| Environmental |                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------|
|               | 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 Gen9 QuickSpecs (Worldwide – Version 9 – June 1, 2015).
- Configuration specifications are supplied in the **Parts included** section.

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**Ordering information****DL380 Gen9 Management Server**

High-performance standard application server. British English

Order number **MHW-S380R9-SC**

**DL380 Gen9 Management Server US**

High-performance standard application server.

American English

Order number **MHW-S380R9-SCUS**

**Accessories****Localization DE**

Localization (Keyboard): Germany—German

Order number **MHW-AWLCK-DE**

**Localization FR**

Localization (Keyboard): France—French

Order number **MHW-AWLCK-FR**

**Localization IT**

Localization (Keyboard): Italy—Italian

Order number **MHW-AWLCK-IT**

**Localization UK**

Localization (Keyboard): United Kingdom—British English

Order number **MHW-AWLCK-UK**

**Hardware support 3Y4H**

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

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

**Represented by:**

**Americas:**

Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
security.sales@us.bosch.com  
www.boschsecurity.us

**Europe, Middle East, Africa:**

Bosch Security Systems B.V.  
P.O. Box 80002  
5617 BA Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

**Asia-Pacific:**

Robert Bosch (SEA) Pte Ltd, Security  
Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
apr.securitysystems@bosch.com  
www.boschsecurity.asia

**China:**

Bosch (Shanghai) Security Systems Ltd.  
203 Building, No. 333 Fuquan Road  
North IBP  
Changning District, Shanghai  
200335 China  
Phone +86 21 22181111  
Fax: +86 21 22182398  
www.boschsecurity.com.cn

**America Latina:**

Robert Bosch Ltda Security Systems Division  
Via Anhanguera, Km 98  
CEP 13065-900  
Campinas, Sao Paulo, Brazil  
Phone: +55 19 2103 2860  
Fax: +55 19 2103 2862  
latam.boschsecurity@bosch.com  
www.boschsecurity.com