HP ProLiant SL335s G7 Server - Overview

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Product description

The HP ProLiant SL335s G7 Server is the first AMD half-width server node for the HP ProLiant SL6500 Scalable System. The SL335s G7 is an independently serviceable 2P server node using AMD Opteron 4100 series processors with 12 DDR3 DIMM sockets. The SL6500 supports up to eight independent half-width HP ProLiant SL335s G7 Servers in the 4U HP ProLiant s6500 Chassis.

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What's new

Support for new HP hard drives

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Product features

Feature	Description
Processor[1](One of the following depending on Model)	**Six-core processors** • AMD Optero Processor Model 4184 (2.8 GHz, 6MB Level 3 Cache, 75 W) • AMD Optero Processor Model 4176HE (2.4 GHz, 6MB Level 3 Cache, 50 W) • AMD Optero Processor Model 4162EE (1.7 GHz, 6MB Level 3 Cache, 32 W) **Quad-Core Processor** • AMD Opteron 4130 (2.60 GHz/4-core/6MB/75 W) Processor
Cache memory (One of the following depending on Model)	6MB shared level 3 cache
Chipset	AMD SP5100 chipset

<table>
<tr><th>Feature</th><th>Description</th></tr>
<tr><td>Upgradeability</td><td>Upgradeable to two processors</td></tr>
<tr><td>Memory protection</td><td>Advanced ECC</td></tr>
<tr><td>Memory[2]</td><td>Type: DDR3 Registered (RDIMM) or Unbuffered (UDIMM)
Maximum (RDIMM) (per server tray): 192GB (12 x 16GB) for Registered Memory configurations
Maximum (UDIMM) (per server tray): 32GB (8 x 4GB) for Unbuffered Memory configurations</td></tr>
<tr><td>Network controller</td><td>HP NC362i Integrated Dual Port Gigabit Server Adapter</td></tr>
<tr><td>Expansion slot</td><td>PCI slot is available as an internal PCI slot only for Smart Array Controllers
<table>
<tr><th>Expansion Slot #</th><th>Technology</th><th>Bus Width</th><th>Connector Width</th><th>Form Factor</th><th>Notes</th></tr>
<tr><td>1</td><td>PCI-Express 2.0</td><td>x16</td><td>x16</td><td>Low Profile</td><td>3.3 V</td></tr>
</table></td></tr>
<tr><td>Storage controller[3]</td><td>HP Embedded Smart Array B110i SATA RAID Controller (RAID 0, 1, 10) per server node</td></tr>
<tr><td>Internal storage devices</td><td>Diskette drives: Via USB only
Optical drives: DVD/CD drives via USB only external support only.
Hard drives: None ship standard
Support for up to four 3.5 in or eight 2.5 in non-hot plug hard drives using a quick release drive carrier.</td></tr>
<tr><td>Maximum internal storage</td><td>Non-Hot Plug SATA 3.5 in - 12.0TB (4 x 3TB)
Non-Hot Plug SAS 3.5 in - 8.0TB (4 x 2TB)
Non-Hot Plug SATA 2.5 in - 8.0TB (8 x 1TB)
Non-Hot Plug SAS 2.5 in - 2.4TB (8 x 300GB)
Non-Hot Plug SATA SSD 2.5 in - 3.2TB (8 x 400GB)</td></tr>
</table>

Feature	Description
Interfaces	• **Serial (RJ-45):** 1 • **Parallel:** None • **Network:** RJ-45 Two 10/100/1000 NIC ports • **Graphics:** 1 • **Management:** 1 Dedicated iLO3 Management port • **Health LED:** 1 front • **Power:** 1 front • **UID:** 1 front • **USB:** 2 (two front)[4]
Graphics	ATI RN50/ES1000 w/ 64MB memory
HP Common Slot Power Supplies	HP CS Power Supplies options for this server will have efficiency ratings up to 94%.
System fans	• Non redundant model - 8 fans required • Redundant model - redundant fan kit required
Form factor	• HP ProLiant s6500 Chassis - 4U • HP ProLiant SL335s G7 1U half width server tray
UPS and PDU power cord matrix	Click here to see the UPS and PDU cable matrix's on the HP Power Protection and Management page .
Security	• Power-on password • Keyboard password • QuickLock, Network Server mode • Serial interface control • Administrator's password • iLO 3 (Integrated Lights-Out 3) has 12 customizable user accounts and SSL encryption • iLO 3 can be disabled via a Global Setting • iLO Advanced supports directory services integration
NOTE: **1:** Up to 2 processors supported. Mixing different processor models is not supported.	

Feature	Description
2: Depending on the memory configuration and processor model, the memory speed may run at 1333 MHz, 1066 MHz, or 800 MHz. Click here to view the Online Memory Configuration Tool . Kits described as LP include Low Power DIMMs. **3:** To enable RAID on Embedded SATA, use the HP Smart Array B110i SATA Raid controller, to enable use of the B110i, enter the ROM based setup utility(RBSU). The option for enabling RAID can be found in the advanced section of the RBSU. Transfer rate: 3.0 Gb/s SATA. A HP Smart Array controller is required for SAS Hard Drives. An external diskette drive, USB floppy drive key or virtual FDD using LO100 Advanced Pack is needed to install storage controller drivers during a Windows operating system installation from a CD.	

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Software overview

Feature	Description
Operating systems and Virtualization software support for ProLiant servers	• Microsoft Windows Server • Red Hat Enterprise Linux (RHEL) • SUSE Linux Enterprise Server (SLES)
HP Insight management software	• HP Insight Foundation • HP Integrated Lights-Out 3 (iLO 3)
NOTE: Click here for more information on HP's Certified and Supported ProLiant Servers for OS and Virtualization Software and latest listing of software drivers available for your server including how to purchase from HP .	

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Link to product specification

Click here to view the HP ProLiant SL335s G7 Server specification page

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Link to driver, firmware, software and manuals

Click here to access the driver, firmware, software and manuals for HP ProLiant SL335s G7 Server .

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Link to warranty information

Click here to check the warranty status .

Click here for detailed information regarding worldwide limited warranty and technical support

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Link to QuickSpecs

- Click here to access the HP ProLiant SL335s G7 Server Worldwide QuickSpecs in html format .
- Click here to access the HP ProLiant SL335s G7 Server Worldwide QuickSpecs in pdf format .
- Click here to access the QuickSpecs homepage, which provides access to the QuickSpecs for other regions/countries .

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