Abstract
This guide provides information about connecting data cables for authorized technicians performing installation and maintenance services on HPE 3PAR StoreServ 8000 Storage Series.
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1 Introduction

This guide is available at http://www.hpe.com/support/3PAR8000Cabling.

Audience

This guide is intended for Hewlett Packard Enterprise field engineers and authorized personnel installing or servicing HPE 3PAR StoreServ systems.

Advisories

To avoid injury or damage to data and equipment, always observe the notes, cautions, and warnings within this guide. Always be aware of the operating environment and handle electrical equipment carefully.

WARNING!

Warnings alert you of actions that can cause injury to people or irreversible damage to the equipment, software, or data.

CAUTION:

Cautions alerts you of actions that can cause damage to the equipment, software, or data.

NOTE:

Notes are reminders, tips, or suggestions that supplement the procedures included in this guide.
2 Getting Started

Read the following sections as they list important instructions, precautions, and information about installation and cable connection options for the 3PAR StoreServ Storage system.

**IMPORTANT:** The following diagrams present a storage-centric solution with the controller nodes mounted in the center of the rack. If the current components situated on the rack do not reflect the layout of the diagrams, continue to follow the cable instructions by adjusting the diagrams higher or lower depending on your configuration. However, it is critical that the controller node and drive enclosure port cable connections match the diagrams in this guide to ensure proper operation and redundancy.

**Following Precautions**

Follow these general precautions to avoid injury, data loss, and damage before and during installation or while servicing the 3PAR StoreServ Storage system:

- Avoid using improper tools
- Prepare an Electrostatic Discharge-safe (ESD) work surface by placing an antistatic mat on the floor, or table, near the storage system. Attach the ground lead of the mat to an unpainted surface of the rack
- Always use a wrist-grounding strap, provided with the storage system. Attach the grounding strap clip directly to an unpainted surface of the rack
- Avoid contact between electronic components and clothing which can carry an electrostatic charge
- Ensure all cables are properly labeled and easily identifiable prior to removing a component
- Observe local occupational safety requirements and guidelines for handling heavy equipment
- Always load the heaviest item first, and start from the bottom when loading the rack. Loading from the bottom makes the rack bottom-heavy and helps prevent the rack from becoming unstable
- Do not attempt to move a fully-loaded equipment rack. Remove all equipment from the rack before moving the rack
- Use at least two people to safely move the rack from the pallet

**Identifying the Components, Enclosure Ports, and Labels**

The content in this section applies to all configurations and provides instructional guidance for cabling the 3PAR StoreServ 8000 according to a specific configuration.

**NOTE:** The following diagrams do not present a storage-centric solution with the controller nodes mounted in the center of the rack or other non-Hewlett Packard Enterprise supported component configurations. If the current components situated on the rack do not reflect the layout of the diagrams, continue to follow the cable instructions and carefully validate the port cable connections between all the controller nodes and storage drive enclosures to ensure proper operation and redundancy.

**Controller Node and Storage Drive Enclosures**

Depending on the system configuration, the 3PAR StoreServ 8000 supports either two or four controller nodes systems.
The 3PAR StoreServ systems support a combination of small form-factor (SFF) and large form-factor (LFF) storage drive enclosures. The (SFF) storage drive enclosure uses 2.5-inch storage drives and the (LFF) enclosure supports 3.5-inch storage drives.
Controller Node, Storage Drive Enclosure, and Cable Label Kits

All 3PAR StoreServ Storage systems contain special label kits for controller nodes, storage drive enclosures and cables. The labels are essential for identification purposes and part of the cabling process.

The cabling configurations are identifiable by the specific number of nodes connecting to a combination of SFF and LFF storage drive enclosures. Each label specifies a direct connect from a controller node to a storage drive enclosure. All system cabling configurations use both red and green labels to assist with identifying and connecting the cables. Only connect a cable to components sharing the same color.

⚠️ **IMPORTANT:** The 6m SAS cables have been replaced by 10m AOC cables in many of the cabling configurations.
NOTE: Apply all the labels on to the appropriate system components and cables before connecting the cables.
3 Cabling Configurations

This chapter points to recommended racking and cabling configurations for 3PAR StoreServ 8000 Series systems.

**NOTE:** These diagrams do not present a storage-centric solution with the controller nodes mounted in the center of the rack or other non-Hewlett Packard Enterprise supported component configurations. If the current components situated on the rack do not reflect the layout of the diagrams, continue to follow the cable instructions and carefully validate the port cable connections between all the controller nodes and storage drive enclosures to ensure proper operation and redundancy.

Before you begin cabling the storage system, carefully read or print the section, “Identifying the Components, Enclosure Ports, and Labels” (page 5).

**NOTE:** Apply all the labels on to the appropriate system components and cables before connecting the cables.

### Examples of Cabling Configurations

The items in this list show cabling configurations for 2–node arrays with large and small form factor drives using long, medium and short SAS cables. Click on the following links to view diagrams showing examples of each of these configurations.

1. **IMPORTANT:** For many of the cabling configurations listed in this table, the 6m SAS cables have been replaced by 10m AOC cables.

#### 2 Node Array with Small Form Factor (SFF) Drive Enclosures

- **2 Node 1 Drive Enclosure (1 SFF)** – 1 medium (2m) and 1 short (1m) SAS cables
- **2 Node 2 Drive Enclosures (2 SFF)** – 2 medium (2m) and 2 short (1m) SAS cables
- **2 Node 3 Drive Enclosures (3 SFF)** – 2 medium (2m) and 4 short (1m) SAS cables
- **2 Node 4 Drive Enclosures (4 SFF)** – 2 medium (2m) and 6 short (1m) SAS cables
- **2 Node 5 Drive Enclosures (5 SFF)** – 2 medium (2m) and 8 short (1m) SAS cables
- **2 Node 6 Drive Enclosures (6 SFF)** – 2 medium (2m) and 10 short (1m) SAS cables
- **2 Node 7 Drive Enclosures (7 SFF)** – 2 medium (2m) and 12 short (1m) SAS cables
- **2 Node 8 Drive Enclosures (8 SFF)** – 2 medium (2m) and 14 short (1m) SAS cables
- **2 Node 9 Drive Enclosures (9 SFF)** – 2 medium (2m) and 16 short (1m) SAS cables
- **2 Node 10 Drive Enclosures (10 SFF)** – 2 medium (2m) and 18 short (1m) SAS cables
- **2 Node 11 Drive Enclosures (11 SFF)** – 2 medium (2m) and 20 short (1m) SAS cables
- **2 Node 12 Drive Enclosures (12 SFF)** – 2 medium (2m) and 22 short (1m) SAS cables
- **2 Node 13 Drive Enclosures (13 SFF)** – 2 medium (2m) and 24 short (1m) SAS cables
- **2 Node 14 Drive Enclosures (14 SFF)** – 2 medium (2m) and 26 short (1m) SAS cables
- **2 Node 15 Drive Enclosures (15 SFF)** – 2 medium (2m) and 28 short (1m) SAS cables
- **2 Node 16 Drive Enclosures (16 SFF)** – 2 medium (2m) and 30 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (17 SFF)** – 2 medium (2m) and 32 short (1m) SAS cables
- **2 Node 18 Drive Enclosures (18 SFF)** – 2 medium (2m) and 34 short (1m) SAS cables
- **2 Node 19 Drive Enclosures (19 SFF)** – 2 medium (2m) and 36 short (1m) SAS cables
### 2 Node Array with Large Form Factor (LFF) Drive Enclosures

- 2 Node 1 Drive Enclosure (1 LFF) — 1 medium (2m) and 1 short (1m) SAS cables
- 2 Node 2 Drive Enclosures (2 LFF) — 2 medium (2m) and 2 short (1m) SAS cables
- 2 Node 3 Drive Enclosures (3 LFF) — 2 medium (2m) and 4 short (1m) SAS cables
- 2 Node 4 Drive Enclosures (4 LFF) — 2 medium (2m) and 6 short (1m) SAS cables
- 2 Node 5 Drive Enclosures (5 LFF) — 2 medium (2m) and 8 short (1m) SAS cables
- 2 Node 6 Drive Enclosures (6 LFF) — 2 medium (2m) and 10 short (1m) SAS cables
- 2 Node 7 Drive Enclosures (7 LFF) — 2 medium (2m) and 12 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (8 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 9 Drive Enclosures (9 LFF) — 2 medium (2m) and 16 short (1m) SAS cables
- 2 Node 10 Drive Enclosures (10 LFF) — 2 medium (2m) and 18 short (1m) SAS cables
- 2 Node 11 Drive Enclosures (11 LFF) — 3 long (6m), 1 medium (2m) and 20 short (1m) SAS cables
- 2 Node 12 Drive Enclosures (12 LFF) — 6 long (6m) and 18 short (1m) SAS cables
- 2 Node 13 Drive Enclosures (13 LFF) — 6 long (6m) and 20 short (1m) SAS cables
- 2 Node 14 Drive Enclosures (14 LFF) — 6 long (6m) and 24 short (1m) SAS cables
- 2 Node 15 Drive Enclosures (15 LFF) — 6 long (6m) and 24 short (1m) SAS cables
- 2 Node 16 Drive Enclosures (16 LFF) — 6 long (6m) and 26 short (1m) SAS cables
- 2 Node 17 Drive Enclosures (17 LFF) — 6 long (6m) and 28 short (1m) SAS cables
- 2 Node 18 Drive Enclosures (18 LFF) — 6 long (6m) and 30 short (1m) SAS cables
- 2 Node 19 Drive Enclosures (19 LFF) — 6 long (6m) and 32 short (1m) SAS cables

### 2 Node Array with Mixed Large Form Factor (LFF) and Small Form Factor (SFF) Enclosures

2 — 9 Drive Enclosures

- 2 Node 2 Drive Enclosures (1 SFF 1 LFF) — 2 medium (2m) and 2 short (1m) SAS cables
- 2 Node 3 Drive Enclosures (1 SFF 2 LFF) — 2 medium (2m) and 4 short (1m) SAS cables
- 2 Node 3 Drive Enclosures (2 SFF 1 LFF) — 2 medium (2m) and 4 short (1m) SAS cables
- 2 Node 4 Drive Enclosures (1 SFF 3 LFF) — 2 medium (2m) and 6 short (1m) SAS cables
- 2 Node 4 Drive Enclosures (2 SFF 2 LFF) — 2 medium (2m) and 6 short (1m) SAS cables
- 2 Node 4 Drive Enclosures (3 SFF 1 LFF) — 2 medium (2m) and 6 short (1m) SAS cables
- 2 Node 5 Drive Enclosures (1 SFF 4 LFF) — 2 medium (2m) and 8 short (1m) SAS cables
- 2 Node 5 Drive Enclosures (2 SFF 3 LFF) — 2 medium (2m) and 8 short (1m) SAS cables
- 2 Node 5 Drive Enclosures (3 SFF 2 LFF) — 2 medium (2m) and 8 short (1m) SAS cables
- 2 Node 5 Drive Enclosures (4 SFF 1 LFF) — 2 medium (2m) and 8 short (1m) SAS cables
- 2 Node 6 Drive Enclosures (1 SFF 5 LFF) — 2 medium (2m) and 10 short (1m) SAS cables
- 2 Node 6 Drive Enclosures (2 SFF 4 LFF) — 2 medium (2m) and 10 short (1m) SAS cables
- 2 Node 6 Drive Enclosures (3 SFF 3 LFF) — 2 medium (2m) and 10 short (1m) SAS cables
- 2 Node 6 Drive Enclosures (4 SFF 2 LFF) — 2 medium (2m) and 10 short (1m) SAS cables
- 2 Node 6 Drive Enclosures (5 SFF 1 LFF) — 2 medium (2m) and 10 short (1m) SAS cables
- 2 Node 7 Drive Enclosures (1 SFF 6 LFF) — 2 medium (2m) and 12 short (1m) SAS cables
- 2 Node 7 Drive Enclosures (2 SFF 5 LFF) — 2 medium (2m) and 12 short (1m) SAS cables
- 2 Node 7 Drive Enclosures (3 SFF 4 LFF) — 2 medium (2m) and 12 short (1m) SAS cables
- 2 Node 7 Drive Enclosures (4 SFF 3 LFF) — 2 medium (2m) and 12 short (1m) SAS cables
- 2 Node 7 Drive Enclosures (5 SFF 2 LFF) — 2 medium (2m) and 12 short (1m) SAS cables
- 2 Node 7 Drive Enclosures (6 SFF 1 LFF) — 2 medium (2m) and 12 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (1 SFF 7 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (2 SFF 6 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (3 SFF 5 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (4 SFF 4 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (5 SFF 3 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (6 SFF 2 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (7 SFF 1 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (8 SFF 0 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (9 SFF -1 LFF) — 2 medium (2m) and 14 short (1m) SAS cables
Examples of Cabling Configurations

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<tr>
<th>10 Drive Enclosures</th>
<th>11 Drive Enclosures</th>
<th>12 Drive Enclosures</th>
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- 2 Node 8 Drive Enclosures (2 SFF 6 LFF) – 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (3 SFF 5 LFF) – 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (4 SFF 4 LFF) – 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (5 SFF 3 LFF) – 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 8 Drive Enclosures (6 SFF 2 LFF) – 2 medium (2m) and 14 short (1m) SAS cables
- 2 Node 9 Drive Enclosures (1 SFF 8 LFF) – 2 medium (2m) and 16 short (1m) SAS cables
- 2 Node 9 Drive Enclosures (2 SFF 7 LFF) – 2 medium (2m) and 16 short (1m) SAS cables
- 2 Node 9 Drive Enclosures (3 SFF 6 LFF) – 2 medium (2m) and 16 short (1m) SAS cables
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- 2 Node 12 Drive Enclosures (3 SFF 9 LFF) – 3 long (6m), 1 medium (2m) and 20 short (1m) SAS cables
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• 2 Node 8 Drive Enclosures (2 SFF 6 LFF) – 2 medium (2m) and 20 short (1m) SAS cables
• 2 Node 12 Drive Enclosures (7 SFF 5 LFF) – 2 medium (2m) and 22 short (1m) SAS cables
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• 2 Node 12 Drive Enclosures (9 SFF 3 LFF) – 2 medium (2m) and 22 short (1m) SAS cables
• 2 Node 12 Drive Enclosures (10 SFF 2 LFF) – 2 medium (2m) and 22 short (1m) SAS cables
• 2 Node 12 Drive Enclosures (11 SFF 1 LFF) – 2 medium (2m) and 22 short (1m) SAS cables

13 Drive Enclosures
• 2 Node 13 Drive Enclosures (1 SFF 12 LFF) – 6 long (6m) and 20 short (1m) SAS cables
• 2 Node 13 Drive Enclosures (2 SFF 11 LFF) – 6 long (10m) AOC cables and 22 short (1m) SAS cables
• 2 Node 13 Drive Enclosures (3 SFF 10 LFF) – 6 long (6m) and 20 short (1m) SAS cables
• 2 Node 13 Drive Enclosures (4 SFF 9 LFF) – 3 long (6m), 1 medium (2m) and 22 short (1m) SAS cables
• 2 Node 13 Drive Enclosures (5 SFF 8 LFF) – 3 long (6m), 1 medium (2m) and 22 short (1m) SAS cables
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• 2 Node 13 Drive Enclosures (11 SFF 2 LFF) – 2 medium (2m) and 24 short (1m) SAS cables
• 2 Node 13 Drive Enclosures (12 SFF 1 LFF) – 2 medium (2m) and 24 short (1m) SAS cables

14 Drive Enclosures
• 2 Node 14 Drive Enclosures (1 SFF 13 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 14 Drive Enclosures (2 SFF 12 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 14 Drive Enclosures (3 SFF 11 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 14 Drive Enclosures (4 SFF 10 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 14 Drive Enclosures (5 SFF 9 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 14 Drive Enclosures (6 SFF 8 LFF) – 3 long (6m), 1 medium (2m) and 26 short (1m) SAS cables
• 2 Node 14 Drive Enclosures (7 SFF 7 LFF) – 3 long (6m), 1 medium (2m) and 26 short (1m) SAS cables
• 2 Node 14 Drive Enclosures (8 SFF 6 LFF) – 2 medium (2m) and 26 short (1m) SAS cables
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• 2 Node 14 Drive Enclosures (11 SFF 3 LFF) – 2 medium (2m) and 26 short (1m) SAS cables
• 2 Node 14 Drive Enclosures (12 SFF 2 LFF) – 2 medium (2m) and 26 short (1m) SAS cables
• 2 Node 14 Drive Enclosures (13 SFF 1 LFF) – 2 medium (2m) and 26 short (1m) SAS cables

15 Drive Enclosures
• 2 Node 15 Drive Enclosures (1 SFF 14 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 15 Drive Enclosures (2 SFF 13 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 15 Drive Enclosures (3 SFF 12 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 15 Drive Enclosures (4 SFF 11 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 15 Drive Enclosures (5 SFF 10 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 15 Drive Enclosures (6 SFF 9 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 15 Drive Enclosures (7 SFF 8 LFF) – 6 long (6m) and 24 short (1m) SAS cables
• 2 Node 15 Drive Enclosures (8 SFF 7 LFF) – 3 long (6m), 1 medium (2m) and 26 short (1m) SAS cables
• 2 Node 15 Drive Enclosures (9 SFF 6 LFF) – 3 long (6m), 1 medium (2m) and 26 short (1m) SAS cables
• 2 Node 15 Drive Enclosures (10 SFF 5 LFF) – 2 medium (2m) and 28 short (1m) SAS cables
- **2 Node 15 Drive Enclosures (11 SFF 4 LFF)** – 2 medium (2m) and 28 short (1m) SAS cables
- **2 Node 15 Drive Enclosures (12 SFF 3 LFF)** – 2 medium (2m) and 28 short (1m) SAS cables

### 16 Drive Enclosures
- **2 Node 16 Drive Enclosures (1 SFF 15 LFF)** – 6 long (6m) and 26 short (1m) SAS cables
- **2 Node 16 Drive Enclosures (2 SFF 14 LFF)** – 6 long (6m) and 26 short (1m) SAS cables
- **2 Node 16 Drive Enclosures (3 SFF 13 LFF)** – 6 long (6m) and 26 short (1m) SAS cables
- **2 Node 16 Drive Enclosures (4 SFF 12 LFF)** – 6 long (6m) and 26 short (1m) SAS cables
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- **2 Node 16 Drive Enclosures (10 SFF 6 LFF)** – 3 long (6m), 1 medium (2m) and 28 short (1m) SAS cables
- **2 Node 16 Drive Enclosures (11 SFF 5 LFF)** – 3 long (6m), 1 medium (2m) and 28 short (1m) SAS cables
- **2 Node 16 Drive Enclosures (12 SFF 4 LFF)** – 2 medium (2m) and 30 short (1m) SAS cables
- **2 Node 16 Drive Enclosures (13 SFF 3 LFF)** – 2 medium (2m) and 30 short (1m) SAS cables
- **2 Node 16 Drive Enclosures (14 SFF 2 LFF)** – 2 medium (2m) and 30 short (1m) SAS cables
- **2 Node 16 Drive Enclosures (15 SFF 1 LFF)** – 2 medium (2m) and 30 short (1m) SAS cables

### 17 Drive Enclosures
- **2 Node 17 Drive Enclosures (1 SFF 16 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (2 SFF 15 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (3 SFF 14 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (4 SFF 13 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (5 SFF 12 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (6 SFF 11 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (7 SFF 10 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (8 SFF 9 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (9 SFF 8 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (10 SFF 7 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (11 SFF 6 LFF)** – 6 long (6m) and 28 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (12 SFF 5 LFF)** – 3 long (6m), 1 medium (2m) and 30 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (13 SFF 4 LFF)** – 3 long (6m), 1 medium (2m) and 30 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (14 SFF 3 LFF)** – 2 medium (2m) and 32 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (15 SFF 2 LFF)** – 2 medium (2m) and 32 short (1m) SAS cables
- **2 Node 17 Drive Enclosures (16 SFF 1 LFF)** – 2 medium (2m) and 32 short (1m) SAS cables

### 18 Drive Enclosures
- **2 Node 18 Drive Enclosures (1 SFF 17 LFF)** – 6 long (6m) and 30 short (1m) SAS cables
- **2 Node 18 Drive Enclosures (2 SFF 16 LFF)** – 6 long (6m) and 30 short (1m) SAS cables
- **2 Node 18 Drive Enclosures (3 SFF 15 LFF)** – 6 long (6m) and 30 short (1m) SAS cables
- **2 Node 18 Drive Enclosures (4 SFF 14 LFF)** – 6 long (6m) and 30 short (1m) SAS cables
- **2 Node 18 Drive Enclosures (5 SFF 13 LFF)** – 6 long (6m) and 30 short (1m) SAS cables
- **2 Node 18 Drive Enclosures (6 SFF 12 LFF)** – 6 long (6m) and 30 short (1m) SAS cables
- **2 Node 18 Drive Enclosures (7 SFF 11 LFF)** – 6 long (6m) and 30 short (1m) SAS cables

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<td>2 Node 19 Drive Enclosures (16 SFF 3 LFF) – 3 long (6m), 1 medium (2m) and 34 short (1m) SAS cables</td>
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<tr>
<td>2 Node 19 Drive Enclosures (17 SFF 2 LFF) – 3 long (6m), 1 medium (2m) and 34 short (1m) SAS cables</td>
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<td>4 Node 6 Drive Enclosures (6 SFF) – 4 medium (2m) and 8 short (1m) SAS cables</td>
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<td>4 Node 8 Drive Enclosures (8 SFF) – 4 medium (2m) and 12 short (1m) SAS cables</td>
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<td>4 Node 18 Drive Enclosures (18 SFF) – 4 medium (2m) and 34 short (1m) SAS cables</td>
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<td>4 Node 20 Drive Enclosures (20 SFF) – 6 long (10m) AOC cables, 2 medium (2m) and 34 short (1m) SAS cables</td>
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<td>4 Node 22 Drive Enclosures (22 SFF) – 12 long (10m) AOC cables and 34 short (1m) SAS cables</td>
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<td>4 Node 24 Drive Enclosures (24 SFF) – 12 long (6m) and 36 short (1m) SAS cables</td>
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<td>4 Node 26 Drive Enclosures (26 SFF) – 12 long (10m) AOC cables and 40 short (1m) SAS cables</td>
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<td>4 Node 28 Drive Enclosures (28 SFF) – 12 long (10m) AOC cables and 44 short (1m) SAS cables</td>
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</table>
### 4 Node 30 Drive Enclosures (30 SFF)
- 12 long (10m) AOC cables and 48 short (1m) SAS cables

### 4 Node 32 Drive Enclosures (32 SFF)
- 12 long (10m) AOC cables and 52 short (1m) SAS cables

### 4 Node 34 Drive Enclosures (34 SFF)
- 12 long (10m) AOC cables and 56 short (1m) SAS cables

### 4 Node 36 Drive Enclosures (36 SFF)
- 4 long (6m), 2 medium (2m) and 66 short (1m) SAS cables

### 4 Node 38 Drive Enclosures (38 SFF)
- 12 long (6m) and 64 short (1m) SAS cables

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### 4 Node Array with Large Form factor (LFF) Drive Enclosures

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<td>4 Node 6 Drive Enclosures (6 LFF)</td>
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<td>4 Node 8 Drive Enclosures (8 LFF)</td>
<td>4 medium (2m) and 12 short (1m) SAS cables</td>
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<td>4 Node 10 Drive Enclosures (10 LFF)</td>
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<td>4 Node 12 Drive Enclosures (12 LFF)</td>
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<td>4 Node 16 Drive Enclosures (16 LFF)</td>
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<td>4 Node 28 Drive Enclosures (28 LFF)</td>
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<td>4 Node 30 Drive Enclosures (30 LFF)</td>
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<td>4 Node 32 Drive Enclosures (32 LFF)</td>
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<td>4 Node 38 Drive Enclosures (38 LFF)</td>
<td>28 long (6m) and 48 short (1m) SAS cables</td>
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### 4 Node Array with Mixed Large Form Factor (LFF) and Small Form Factor (SFF) Enclosures

#### 4 — 10 Drive Enclosures

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<td>4 Node 8 Drive Enclosures (2 SFF 6 LFF)</td>
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<td>4 medium (2m) and 12 short (1m) SAS cables</td>
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<td>4 Node 8 Drive Enclosures (6 SFF 2 LFF)</td>
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<tr>
<td>4 Node 10 Drive Enclosures (2 SFF 8 LFF)</td>
<td>4 medium (2m) and 16 short (1m) SAS cables</td>
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#### 12 Drive Enclosures

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<td>6 long (6m), 2 medium (2m) and 16 short (1m) SAS cables</td>
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### 14 Drive Enclosures
- **4 Node 14 Drive Enclosures (2 SFF 12 LFF)** – 12 long (6m) and 16 short (1m) SAS cables
- **4 Node 14 Drive Enclosures (4 SFF 10 LFF)** – 12 long (6m) and 16 short (1m) SAS cables
- **4 Node 14 Drive Enclosures (6 SFF 8 LFF)** – 6 long (6m), 2 medium (2m) and 16 short (1m) SAS cables
- **4 Node 14 Drive Enclosures (8 SFF 6 LFF)** – 6 long (6m), 2 medium (2m) and 20 short (1m) SAS cables
- **4 Node 14 Drive Enclosures (10 SFF 4 LFF)** – 4 medium (2m) and 24 short (1m) SAS cables
- **4 Node 14 Drive Enclosures (12 SFF 2 LFF)** – 4 medium (2m) and 24 short (1m) SAS cables

### 16 Drive Enclosures
- **4 Node 16 Drive Enclosures (2 SFF 14 LFF)** – 12 long (6m) and 20 short (1m) SAS cables
- **4 Node 16 Drive Enclosures (4 SFF 12 LFF)** – 12 long (6m) and 20 short (1m) SAS cables
- **4 Node 16 Drive Enclosures (6 SFF 10 LFF)** – 12 long (6m) and 20 short (1m) SAS cables
- **4 Node 16 Drive Enclosures (8 SFF 8 LFF)** – 12 long (6m) and 20 short (1m) SAS cables
- **4 Node 16 Drive Enclosures (10 SFF 6 LFF)** – 6 long (6m), 2 medium (2m) and 24 short (1m) SAS cables
- **4 Node 16 Drive Enclosures (12 SFF 4 LFF)** – 6 long (6m), 2 medium (2m) and 24 short (1m) SAS cables
- **4 Node 16 Drive Enclosures (14 SFF 2 LFF)** – 4 medium (2m) and 26 short (1m) SAS cables

### 18 Drive Enclosures
- **4 Node 18 Drive Enclosures (2 SFF 16 LFF)** – 12 long (6m) and 24 short (1m) SAS cables
- **4 Node 18 Drive Enclosures (4 SFF 14 LFF)** – 12 long (6m) and 24 short (1m) SAS cables
- **4 Node 18 Drive Enclosures (6 SFF 12 LFF)** – 12 long (6m) and 24 short (1m) SAS cables
- **4 Node 18 Drive Enclosures (8 SFF 10 LFF)** – 12 long (6m) and 24 short (1m) SAS cables
- **4 Node 18 Drive Enclosures (10 SFF 8 LFF)** – 12 long (6m) and 24 short (1m) SAS cables
- **4 Node 18 Drive Enclosures (12 SFF 6 LFF)** – 12 long (6m) and 24 short (1m) SAS cables
- **4 Node 18 Drive Enclosures (14 SFF 4 LFF)** – 12 long (6m), 2 medium (2m) and 28 short (1m) SAS cables
- **4 Node 18 Drive Enclosures (14 SFF 2 LFF)** – 12 long (6m), 2 medium (2m) and 28 short (1m) SAS cables

### 20 Drive Enclosures
- **4 Node 20 Drive Enclosures (2 SFF 18 LFF)** – 12 long (6m) and 28 short (1m) SAS cables
- **4 Node 20 Drive Enclosures (4 SFF 16 LFF)** – 12 long (6m) and 28 short (1m) SAS cables
- **4 Node 20 Drive Enclosures (6 SFF 14 LFF)** – 12 long (6m) and 28 short (1m) SAS cables
- **4 Node 20 Drive Enclosures (8 SFF 12 LFF)** – 12 long (6m) and 28 short (1m) SAS cables
- **4 Node 20 Drive Enclosures (10 SFF 10 LFF)** – 12 long (6m) and 28 short (1m) SAS cables
- **4 Node 20 Drive Enclosures (12 SFF 8 LFF)** – 12 long (6m) and 28 short (1m) SAS cables
- **4 Node 20 Drive Enclosures (14 SFF 6 LFF)** – 12 long (6m) and 28 short (1m) SAS cables
- **4 Node 20 Drive Enclosures (16 SFF 4 LFF)** – 12 long (6m) and 28 short (1m) SAS cables
- **4 Node 20 Drive Enclosures (18 SFF 2 LFF)** – 8 long (6m) and 32 short (1m) SAS cables

### 22 Drive Enclosures
- **4 Node 22 Drive Enclosures (2 SFF 20 LFF)** – 16 long (6m) and 28 short (1m) SAS cables
- **4 Node 22 Drive Enclosures (4 SFF 18 LFF)** – 16 long (6m) and 28 short (1m) SAS cables
- **4 Node 22 Drive Enclosures (6 SFF 16 LFF)** – 12 long (6m) and 32 short (1m) SAS cables
- **4 Node 22 Drive Enclosures (8 SFF 14 LFF)** – 12 long (6m) and 32 short (1m) SAS cables
- **4 Node 22 Drive Enclosures (10 SFF 12 LFF)** – 12 long (6m) and 32 short (1m) SAS cables
- **4 Node 22 Drive Enclosures (12 SFF 10 LFF)** – 12 long (6m) and 32 short (1m) SAS cables
- **4 Node 22 Drive Enclosures (14 SFF 8 LFF)** – 12 long (6m) and 32 short (1m) SAS cables
- **4 Node 22 Drive Enclosures (16 SFF 6 LFF)** – 12 long (6m) and 32 short (1m) SAS cables
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<td>4 Node 24 Drive Enclosures (24 SFF 2 LFF)</td>
<td>4 Node 24 Drive Enclosures (26 SFF 2 LFF)</td>
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### 30 Drive Enclosures
- **4 Node 30 Drive Enclosures (2 LFF 28 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (4 LFF 26 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (6 LFF 24 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (8 LFF 22 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (10 LFF 20 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (12 LFF 18 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (14 LFF 16 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (16 LFF 14 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (18 LFF 12 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (20 LFF 10 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (22 LFF 8 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (24 LFF 6 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (26 LFF 4 SFF)** – 20 long (6m) and 40 short (1m) SAS cables
- **4 Node 30 Drive Enclosures (28 LFF 2 SFF)** – 20 long (6m) and 40 short (1m) SAS cables

### 32 Drive Enclosures
- **4 Node 32 Drive Enclosures (2 SFF 30 LFF)** – 24 long (6m) and 40 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (4 SFF 28 LFF)** – 24 long (6m) and 40 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (6 SFF 26 LFF)** – 20 long (6m) and 44 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (8 SFF 24 LFF)** – 20 long (6m) and 44 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (10 SFF 22 LFF)** – 20 long (6m) and 44 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (12 SFF 20 LFF)** – 20 long (6m) and 44 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (14 SFF 18 LFF)** – 20 long (6m) and 44 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (16 SFF 16 LFF)** – 20 long (6m) and 44 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (18 SFF 14 LFF)** – 20 long (6m) and 44 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (20 SFF 12 LFF)** – 20 long (6m) and 44 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (22 SFF 10 LFF)** – 16 long (6m) and 48 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (24 SFF 8 LFF)** – 16 long (6m) and 48 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (26 SFF 6 LFF)** – 12 long (6m) and 52 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (28 SFF 4 LFF)** – 12 long (6m) and 52 short (1m) SAS cables
- **4 Node 32 Drive Enclosures (30 SFF 2 LFF)** – 12 long (6m) and 52 short (1m) SAS cables

### 34 Drive Enclosures
- **4 Node 34 Drive Enclosures (2 SFF 32 LFF)** – 28 long (6m) and 40 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (4 SFF 30 LFF)** – 28 long (6m) and 40 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (6 SFF 28 LFF)** – 24 long (6m) and 44 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (8 SFF 26 LFF)** – 24 long (6m) and 44 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (10 SFF 24 LFF)** – 20 long (6m) and 48 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (12 SFF 22 LFF)** – 20 long (6m) and 48 short (1m) SAS cables
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- **4 Node 34 Drive Enclosures (16 SFF 18 LFF)** – 20 long (6m) and 48 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (18 SFF 16 LFF)** – 20 long (6m) and 48 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (20 SFF 14 LFF)** – 20 long (6m) and 48 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (22 SFF 12 LFF)** – 20 long (6m) and 48 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (24 SFF 10 LFF)** – 20 long (6m) and 48 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (26 SFF 8 LFF)** – 16 long (6m) and 52 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (28 SFF 6 LFF)** – 16 long (6m) and 52 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (30 SFF 4 LFF)** – 12 long (6m) and 56 short (1m) SAS cables
- **4 Node 34 Drive Enclosures (32 SFF 2 LFF)** – 12 long (6m) and 56 short (1m) SAS cables

### 36 Drive Enclosures
- **4 Node 36 Drive Enclosures (2 SFF 34 LFF)** – 28 long (6m) and 44 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (4 SFF 32 LFF)** – 28 long (6m) and 44 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (6 SFF 30 LFF)** – 28 long (10m) AOC cables and 44 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (8 SFF 28 LFF)** – 28 long (6m) and 44 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (10 SFF 26 LFF)** – 24 long (6m) and 48 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (12 SFF 24 LFF)** – 24 long (6m) and 48 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (14 SFF 22 LFF)** – 20 long (6m) and 52 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (16 SFF 20 LFF)** – 20 long (10m) AOC cables and 52 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (18 SFF 18 LFF)** – 20 long (10m) AOC cables and 52 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (20 SFF 16 LFF)** – 20 long (10m) AOC cables and 52 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (22 SFF 14 LFF)** – 20 long (10m) AOC cables and 52 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (24 SFF 12 LFF)** – 20 long (10m) AOC cables and 52 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (26 SFF 10 LFF)** – 20 long (10m) AOC cables and 52 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (28 SFF 8 LFF)** – 20 long (10m) AOC cables and 52 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (30 SFF 6 LFF)** – 16 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (32 SFF 4 LFF)** – 16 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 36 Drive Enclosures (34 SFF 2 LFF)** – 12 long (10m) AOC cables and 60 short (1m) SAS cables

### 38 Drive Enclosures
- **4 Node 38 Drive Enclosures (2 SFF 36 LFF)** – 28 long (10m) AOC cables and 48 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (4 SFF 34 LFF)** – 28 long (10m) AOC cables and 48 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (6 SFF 32 LFF)** – 28 long (10m) AOC cables and 48 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (8 SFF 30 LFF)** – 28 long (10m) AOC cables and 48 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (10 SFF 28 LFF)** – 28 long (10m) AOC cables and 48 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (12 SFF 26 LFF)** – 28 long (10m) AOC cables and 48 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (14 SFF 24 LFF)** – 24 long (10m) AOC cables and 52 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (16 SFF 22 LFF)** – 24 long (10m) AOC cables and 52 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (18 SFF 20 LFF)** – 20 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (20 SFF 18 LFF)** – 20 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (22 SFF 16 LFF)** – 20 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (24 SFF 14 LFF)** – 20 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (26 SFF 12 LFF)** – 20 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (28 SFF 10 LFF)** – 20 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (30 SFF 8 LFF)** – 20 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (32 SFF 6 LFF)** – 20 long (10m) AOC cables and 56 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (34 SFF 4 LFF)** – 16 long (10m) AOC cables and 60 short (1m) SAS cables
- **4 Node 38 Drive Enclosures (36 SFF 2 LFF)** – 16 long (10m) AOC cables and 60 short (1m) SAS cables
4 Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
  www.hpe.com/assistance
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
  www.hpe.com/support/hpesc

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
- To download product updates, go to either of the following:
  - Hewlett Packard Enterprise Support Center Get connected with updates page:
    www.hpe.com/support/e-updates
  - Software Depot website:
    www.hpe.com/support/softwaredepot
- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center More Information on Access to Support Materials page:
  www.hpe.com/support/AccessToSupportMaterials

© IMPORTANT: Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HP Passport set up with relevant entitlements.

Websites

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<td>Storage white papers and analyst reports</td>
<td><a href="http://www.hpe.com/storage/whitepapers">www.hpe.com/storage/whitepapers</a></td>
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**Customer self repair**

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website: www.hpe.com/support/selfrepair

**Remote support**

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product’s service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

For more information and device support details, go to the following website: www.hpe.com/info/insightremotesupport/docs

**Documentation feedback**

Hewlett Packard Enterprise is committed to providing documentation that meets your needs. To help us improve the documentation, send any errors, suggestions, or comments to Documentation Feedback (docsfeedback@hpe.com). When submitting your feedback, include the document title, part number, edition, and publication date located on the front cover of the document. For online help content, include the product name, product version, help edition, and publication date located on the legal notices page.
A Warranty and regulatory information


Warranty information

HPE ProLiant and x86 Servers and Options
www.hpe.com/support/ProLiantServers-Warranties

HPE Enterprise Servers
www.hpe.com/support/EnterpriseServers-Warranties

HPE Storage Products
www.hpe.com/support/Storage-Warranties

HPE Networking Products
www.hpe.com/support/Networking-Warranties

Regulatory information

Belarus Kazakhstan Russia marking

EAC

Manufacturer and Local Representative Information

Manufacturer information:
- Hewlett Packard Enterprise Company, 3000 Hanover Street, Palo Alto, CA 94304 U.S.

Local representative information Russian:
- Russia:
  ООО «Хьюллетт Паккард Энтерпрайз», Российская Федерация, 125171, г. Москва, Ленинградское шоссе, 16А, стр.3, Телефон/факс: +7 495 797 35 00

- Belarus:
  ИООО «Хьюллетт-Паккард Бел», Республика Беларусь, 220030, г. Минск, ул. Интернациональная, 36-1, Телефон/факс: +375 17 392 28 20

- Kazakhstan:
  ТОО «Хьюллетт-Паккард (К)», Республика Казахстан, 050040, г. Алматы, Бостандыкский район, проспект Аль-Фараби, 77/7, Телефон/факс: + 7 727 355 35 52
Local representative information Kazakh:

- Russia:
  ЖШС "Хьюлетт Паккард Энтерпрайз", Ресей Федерациясы, 125171, Мескей, Ленинград тас жолы, 16А блок 3, Телефон/факс: +7 495 797 35 00

- Belarus:
  «HEWLETT-PACKARD Bel» ЖШС, Беларусь Республикасы, 220030, Минск, Інтернациональная кэшесі, 36/1, Телефон/факс: +375 17 392 28 20

- Kazakhstan:
  ЖШС «Хьюлетт-Паккард (К)», Қазақстан Республикасы, 050040, Алматы, Бостандық ауданы, Әл-Фараби дәнғылы, 77/7, Телефон/факс: +7 727 355 35 52

Manufacturing date:
The manufacturing date is defined by the serial number.
CCSYWWZZZZ (serial number format for this product)
Valid date formats include:

- YWW, where Y indicates the year counting from within each new decade, with 2000 as the starting point; for example, 238: 2 for 2002 and 38 for the week of September 9. In addition, 2010 is indicated by 0, 2011 by 1, 2012 by 2, 2013 by 3, and so forth.
- YYWW, where YY indicates the year, using a base year of 2000; for example, 0238: 02 for 2002 and 38 for the week of September 9.

Turkey RoHS material content declaration
Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur

Ukraine RoHS material content declaration
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