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Overview

840369-B21 is the HPE ProLiant DL560 Gen10 5120 2P 32GB-R S100i 8SFF 1x1600W PS Entry Server. HPE ProLiant DL560 Gen10 server is a high-density, 4P server with high-performance, scalability, and reliability, in a 2U chassis. Supporting the Intel® Xeon® Scalable processors with up to a 61% performance gain, the HPE ProLiant DL560 Gen10 server offers greater processing power, up to 6 TB of faster memory, and I/O of up to eight PCIe 3.0 slots. In addition, it offers the intelligence and simplicity of automated management with HPE OneView and HPE Integrated Lights Out 5 (iLO 5). The HPE ProLiant DL560 Gen10 server is the ideal server for business-critical workloads, virtualization, server consolidation, database, business processing, and general 4P data-intensive applications where data center space and the right performance are paramount.

Quick Spec

Table 1 shows the quick spec.

| | |
|---------------------------------------|--|
| Model | 840369-B21 |
| Description | HPE ProLiant DL560 Gen10 5120 2P 32GB-R S100i 8SFF 1x1600W PS Entry Server |
| Processor Name | Intel® Xeon® Scalable 5120 (14 core, 2.2 GHz, 19.25 MB, 105W) |
| Processor number | 2 processors included |
| Maximum memory | 1.5 TB |
| Memory slots | 24 DIMM slots |
| Memory type | HPE DDR4 SmartMemory |
| Minimum dimensions (H x W x D) | 8.75 x 44.55 x 75.47 cm |

Product Details

Figure 1 shows the HPE DL560 Gen10 front view.

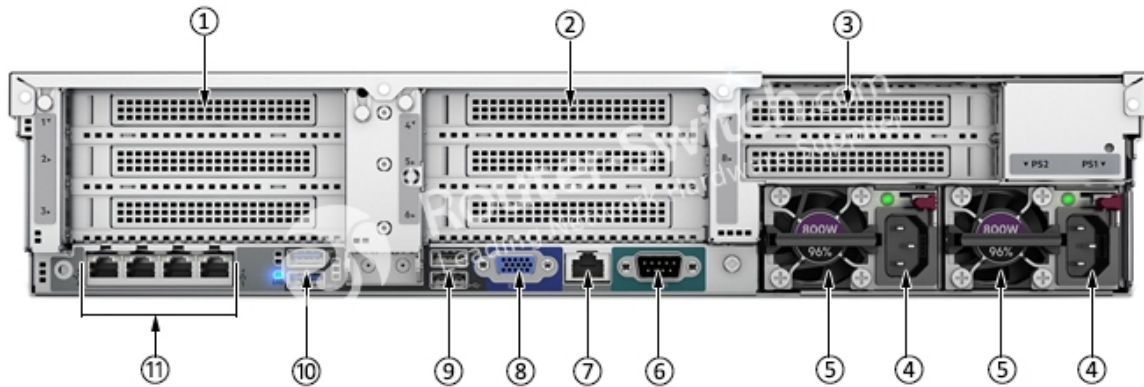


Note:

| | | | |
|-----|---|------|--|
| (1) | Optional Optical drive. Requires Universal Media bay | (7) | Drive Box 3. (8 SFF, 6SFF+2NVMe optional) |
| (2) | Quick removal access panel | (8) | Optional USB 2.0 (via Universal Media Bay) |
| (3) | Optional front Display Port (via Universal Media Bay) | (9) | Drive Box 1. (Optional Universal Media bay, 8 SFF bay or 6 SFF+2NVMe optional) |
| (4) | iLO Front Service Port | (10) | Optional 2 SFF HDD, requires optional Universal Media bay |

| | | | |
|-----|-----------------------|------|--|
| (5) | USB 3.0 | (11) | Optional USB 2.0 (via Universal Media Bay) |
| (6) | Serial label pull tag | | |

Figure 2 shows the HPE DL560 Gen10 rear view.



Note:

| | | | |
|-----|---|------|--|
| (1) | PCIe Slots (Slots 1-3 top to bottom, riser shipped standard) | (7) | Dedicated iLO connector |
| (2) | PCIe Slots (Slots 4-6 top to bottom, requires second riser card and second processor) | (8) | VGA (video) connector |
| (3) | PCIe Slots (Slots 7-8 top to bottom), requires tertiary riser card and second processor, Not available with 4x Flex Slot power supplies | (9) | USB connectors 2.0 (2) |
| (4) | Power supply power connections | (10) | USB connectors 3.0 (2) |
| (5) | HPE Flexible Slot Power Supply bay 1 and 2 (800W PS shown) | (11) | FlexibleLOM ports (Port 1 on right side) |
| (6) | Serial connector | | |

Options

Table 2 shows the recommended optional accessories.

| Product number | Description |
|----------------------------|---|
| 872475-B21 | HPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD |
| 872477-B21 | HPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD |
| 870753-B21 | HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD |
| 872479-B21 | HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD |
| 845264-B21 | HPE 16GB NVDIMM Single Rank x4 DDR4-2666 Module Kit |
| 815102-B21 | HPE 128GB (1x128GB) Octal Rank x4 DDR4-2666 CAS-22-19-19 3DS Load Reduced Memory Kit |
| 876181-B21 | HPE 8GB (1x8GB) Dual Rank x8 DDR4-2666 CAS-19-19-19 Registered Smart Memory Kit |
| 877825-B21 | HPE 1.6TB PCIe x8 Lanes Mixed Use HHHL 3yr Wty Digitally Signed Firmware Card |

Compare to Similar Item

Table 3 shows the comparison.

| | | |
|--------------|----------------------------|------------|
| Product Code | 741064-B21 | 840369-B21 |
|--------------|----------------------------|------------|

| | | |
|---------------------------------------|---|--|
| Description | HPE ProLiant DL560 Gen9 E5-4610v3 2P 32GB-R B140i 8SFF SATA 1200W PS Entry Server | HPE ProLiant DL560 Gen10 5120 2P 32GB-R S100i 8SFF 1x1600W PS Entry Server |
| Number of processors | 2 | 2 |
| Processor core available | 10 | 14 |
| Processor cache | 25MB L3 | 19.25 MB |
| Processor speed | 1.7GHz | 2.2 GHz |
| Form factor (fully configured) | 2U | 2U |
| Product dimensions (H x W x D) | 8.75 x 44.55 x 75.47 cm | 8.75 x 44.55 x 75.47 cm |

Get More Information

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Specification

| 840369-B21 Specification | |
|---------------------------------|--|
| Model Name | HPE ProLiant DL560 Gen10 5120 2.0GHz 14-core 2P 32GB-R S100i 8SFF 1x1600W PS Entry Server |
| Processor | Intel® Xeon® 5120 (14-Core, 2.2GHz, 105W) |
| Number of Processors | 2 |
| Memory | 32 GB (2x16GB Registered DIMMs, 2666 MT/s) NOTE: 24 DIMM slots available with Entry Model; 2 more processor slots and 24 more DIMMs available via optional HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21). |
| Network Controller | 1 Gb 4-port 331FLR Adapter |
| Storage Controller | HPE Smart Array S100i Software RAID |
| Power Supply | 1x 1600W NOTE: 1600W Power supplies only support high line voltage (200VAC to 240VAC). |
| PCI-Express Slots | 3 PCIe 3.0 slots available NOTE: 8 PCIe 3.0 slots available with the secondary and tertiary riser installed. |
| Hard drive | None shipped as Standard |
| Internal Storage | 8 SFF Drive Bays NOTE: Can be expanded up to a max of 24 SFF drives, with optional HPE DL560 Gen10 8SFF HDD Bay2 Kit (872235-B21) and HPE DL560 Gen10 8 SFF HDD Bay1 Kit (872231-B21). NOTE: Optionally NVMe SSD drives can be added with HPE DL560 Gen10 Premium 6SFF and 2 NVMe or 8 SFF Bay1 Kit (872227-B21) or HPE DL560 Gen10 Prem 6 SFF+2 NVMe Bay2 Kit(872229-B21) or HPE DL560 Gen10 Premium 6 SFF and 2 NVMe or 8 SFF Bay3 Kit (872231-B21) or HPE DL560 NVMe 8 SSD Express Bay Enablement Kit (872225-B21). NOTE: Alternatively, optional HPE DL560 Gen10 Universal Media Bay Kit. |
| Optical Drive Bay | Optional via Universal Media Bay |
| Optical Drive | Optional via Universal Media Bay |
| Fans | 6 hot plug fans, redundant |

| | |
|--------------------|---|
| Management | HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download); HPE iLO Advanced and HPE OneView Advanced (require licenses) |
| Form Factor | RACK (2U), HPE Easy Install Rails with CMA |

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