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Overview

P19717-B21 is an HPE ProLiant DL380 Gen10 8-LFF NC CTO server. Adaptable for diverse workloads and environments, the secure 2P 2U HPE ProLiant DL380 Gen10 delivers world-class performance with the right balance of expandability and scalability. Designed for supreme versatility and resiliency while being backed by a comprehensive warranty make it ideal for multiple environments from Containers to Cloud to Big Data. Standardize on the industry's most trusted compute platform.

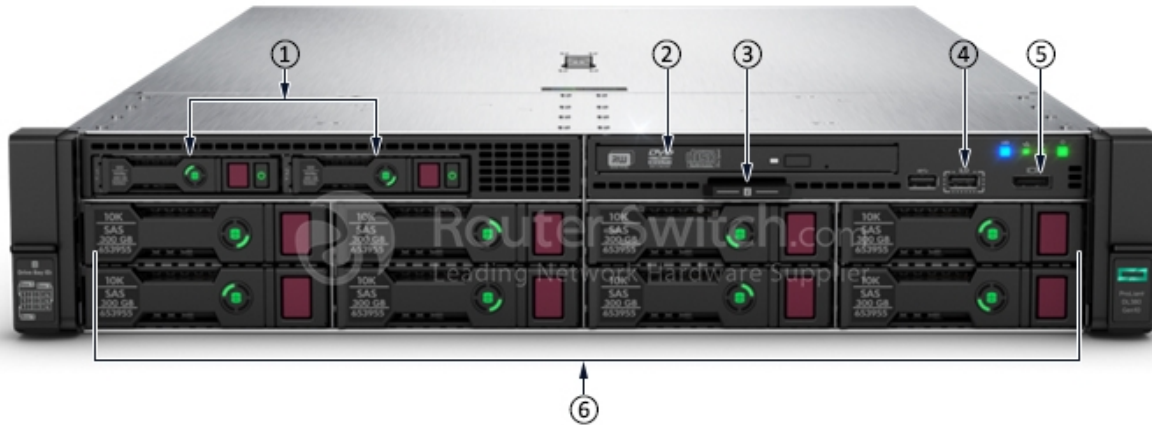
Quick Spec

Table 1 shows the quick spec of DL380 Gen10 8-LFF NC CTO server.

| | |
|-------------------------|--|
| Part Number | P19717-B21 |
| Description | HPE ProLiant DL380 Gen10 8-LFF NC CTO server |
| Form Factor | 2U rack |
| Processors | Up to 2 Intel Xeon processors |
| Chipset | Intel C621 Chipset |
| Memory Type | HPE DDR4 SmartMemory, Registered (RDIMM), Load Reduced (LRDIMM) |
| Memory Maximum capacity | LRDIMM :3.0 TB, 24 x 128 GB LRDIMM @ 2933 MT/s RDIMM: 1.54 TB, 24 x 64 GB RDIMM @ 2933 MT/s Intel Optane Persistent Memory for HPE: 6.0 TB, 12 X 512 GB Memory Modules @ 2666 MT/s HPE NVDIMMs: 192 GB, 12 x 16 GB NVDIMM @ 2666 MT/s |

Product Details

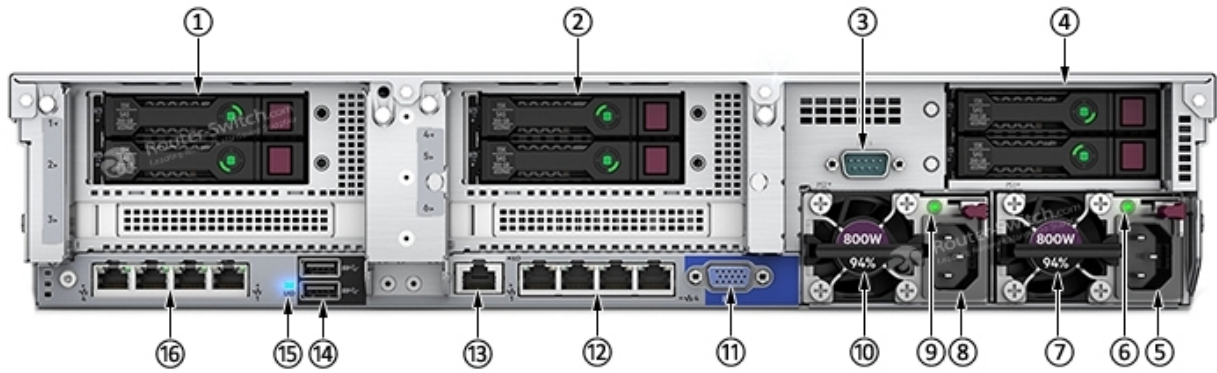
Figure 1 shows the front panel of P19717-B21.



Note:

| | | | |
|-----|--|-----|------------------------|
| (1) | Optional 2 SFF Drive bay, 2 NVMe shown | (4) | iLO Front Service Port |
| (2) | Optional optical drive shown (blank as standard) | (5) | Front display port |
| (3) | Serial label pull tag | (6) | 8 LFF Drive bay |

Figure 2 shows the back panel of P19717-B21.



Note:

| | |
|------|--|
| (1) | Primary Riser. PCI Slots (Slots 1-3 top to bottom, riser shipped standard, not shown), optional 2SFF rear drives |
| (2) | Secondary Riser. PCI Slots (Slots 4-6 top to bottom, not shown, requires second riser card, and second processor). Showing optional 2 SFF rear |
| (3) | Optional serial port |
| (4) | Tertiary Riser (Slots 7-8). Optional rear 2 SFF HDD (supported in 24 SFF or 12 LFF front end) |
| (5) | Power supply Power connection |
| (6) | Power supply Power LED |
| (7) | HPE Flexible Slot Power Supply bay 1 (800W shown) |
| (8) | Power supply Power connection |
| (9) | Power supply Power LED |
| (10) | HPE Flexible Slot Power Supply bay 2 (800W shown) |
| (11) | VGA connector |
| (12) | Embedded 4 x 1GbE Network Adapter |
| (13) | Dedicated iLO management port |
| (14) | USB connectors 3.0 (2) |
| (15) | Unit ID LED |
| (16) | Optional FlexibleLOM ports (Shown: 4 x 1GbE) |

Parts Options

Table 2 shows the options of P19717-B21.

| Part Number | Description |
|----------------------------|--|
| Processors | |
| P23547-B21 | Intel Xeon-Bronze 3206R (1.9GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL380 Gen10 |
| P23549-L21 | Intel Xeon-Silver 4210R (2.4GHz/10-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10 |
| P23550-L21 | Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) FIO Processor Kit for HPE ProLiant DL380 Gen10 |
| P15968-B21 | Intel Xeon-Bronze 3206R (1.9GHz/8-core/85W) FIO Processor Kit for HPE ProLiant DL360 Gen10 |

| | |
|----------------------------|--|
| P15974-B21 | Intel Xeon-Silver 4210R (2.4GHz/10-core/100W) FIO Processor Kit for HPE ProLiant DL360 Gen10 |
| P15977-B21 | Intel Xeon-Silver 4214R (2.4GHz/12-core/100W) FIO Processor Kit for HPE ProLiant DL360 Gen10 |
| Memory | |
| P00922-B21 | HPE 16GB (1x16GB) Dual Rank x8 DDR4-2933 CAS-21-21-21 Registered Smart Memory Kit |
| P00924-B21 | HPE 32GB (1x32GB) Dual Rank x4 DDR4-2933 CAS-21-21-21 Registered Smart Memory Kit |
| P00926-B21 | HPE 64GB (1x64GB) Quad Rank x4 DDR4-2933 CAS-21-21-21 Load Reduced Smart Memory Kit |
| Hard Drive | |
| P09153-B21 | HPE 14TB SAS 7.2K LFF SC He 512e DS HDD |
| 881779-B21 | HPE 12TB SAS 7.2K LFF SC He 512e DS HDD |
| 857644-B21 | HPE 10TB SAS 12G 7.2K LFF SC He 512e DS HDD |
| 819201-B21 | HPE 8TB SAS 7.2K LFF SC 512e DS HDD |
| 861754-B21 | HPE 6TB SAS 7.2K LFF SC 512e DS HDD |
| 872487-B21 | HPE 4TB SAS 7.2K LFF SC DS HDD |
| 872485-B21 | HPE 2TB SAS 7.2K LFF SC DS HDD |
| 846524-B21 | HPE 1TB SAS 7.2K LFF SC DS HDD |
| P09163-B21 | HPE 14TB SATA 7.2K LFF SC He 512e DS HDD |
| 881785-B21 | HPE 12TB SATA 7.2K LFF SC He 512e DS HDD |
| 857648-B21 | HPE 10TB SATA 6G 7.2K LFF (3.5in) SC He 512e DS HDD |
| 819203-B21 | HPE 8TB SATA 7.2K LFF SC 512e DS HDD |
| 861750-B21 | HPE 6TB SATA 7.2K LFF SC 512e DS HDD |
| 872491-B21 | HPE 4TB SATA 7.2K LFF SC DS HDD |
| 872489-B21 | HPE 2TB SATA 7.2K LFF SC DS HDD |
| 861691-B21 | HPE 1TB SATA 7.2K LFF SC DS HDD |
| Power Supply | |
| 865408-B21 | HPE 500W FS Plat Ht Plg LH Pwr Sply Kit |
| 865414-B21 | HPE 800W FS Plat Ht Plg LH Pwr Sply Kit |

Compare to Similar Items

Table 3 shows the comparison.

| Part Number | P19717-B21 | P19718-B21 | P19720-B21 |
|--------------------|---|---|---|
| Description | HPE DL380 Gen10 8LFF NC CTO Svr | HPE DL380 Gen10 12LFF NC CTO Svr | HPE DL380 Gen10 8SFF NC CTO Svr |
| Processors | Up to 2 Intel Xeon processors | Up to 2 Intel Xeon processors | Up to 2 Intel Xeon processors |
| Chipset | Intel C621 Chipset | Intel C621 Chipset | Intel C621 Chipset |
| Memory Type | HPE DDR4 SmartMemory, Registered (RDIMM), Load Reduced (LRDIMM) | HPE DDR4 SmartMemory, Registered (RDIMM), Load Reduced (LRDIMM) | HPE DDR4 SmartMemory, Registered (RDIMM), Load Reduced (LRDIMM) |
| Hard Drive | 8 LFF | 12 LFF | 8 SFF |

Get More Information

Do you have any question about the P19717-B21?

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Specification

| P19717-B21 Specification | |
|--------------------------------|--|
| Processors | - Up to 2 Intel Xeon Scalable 8100/8200 Series Or Intel Xeon Scalable 6100/6200 Series Intel Xeon Scalable 5100/5200 Series Intel Xeon Scalable 4100/4200 Series Intel Xeon Scalable 3100/3200 Series - 4 to 28 cores, depending on models |
| Chipset | Intel C621 Chipset |
| Memory Type | HPE DDR4 SmartMemory, Registered (RDIMM), Load Reduced (LRDIMM) |
| Memory Maximum capacity | LRDIMM :3.0 TB, 24 x 128 GB LRDIMM @ 2933 MT/s RDIMM: 1.54 TB, 24 x 64 GB RDIMM @ 2933 MT/s Intel Optane Persistent Memory for HPE: 6.0 TB, 12 X 512 GB Memory Modules @ 2666 MT/s HPE NVDIMMs: 192 GB, 12 x 16 GB NVDIMM @ 2666 MT/s |
| Storage | 1 HPE Smart Array S100i and/or 1 HPE Smart Array P408i-a and/or 1 HPE Smart Array P816i-a and/or 1 HPE Smart Array E208i-a, depending on model |
| Description | HPE ProLiant DL380 Gen10 8-LFF NC CTO server |
| Dimensions | LFF Drives: 8.73 x 44.54 x 73.02 cm / 3.44 x 17.54 x 28.75 in |
| Rated Line Voltage | For 1600W (Platinum): 200-240 VAC · For 800W (Titanium) Power Supply: 200-240 VAC · For 800W (Platinum): 100-240 VAC · For 800W (Universal) Power Supply: 200-277 VAC · For 800W (-48VDC): -40 Vdc to -72 Vdc · 500W (Platinum) Power Supply: 100-240 VAC · For 1600W (-48VDC): -40 to -72 |
| Power Supplies | Up to 2 HPE Flexible Slot Power Supplies |
| Form Factor | 2U rack |

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