voxility

An all purpose 8-core @ 3.2 GHz (turbo 5.1 GHz) server faster than any of his predecessors. Ideal for work loads where frequency is more important than number of cores.

HPE ProLiant DL20 Gen10 Plus (E-2388G) 4-SFF



PRODUCT SPECIFICATIONS

The price includes the system described below. Components marked with \bigcirc can be replaced with others in the same category from Alternative Options list. Some options might not work if they are mixed together in this system

| Good For | General Purpose |
|------------------------------------|---|
| Processor Model | XeonE-2388G |
| Processor Cache | 2 MB cache/core - 16 MB Smart Cache |
| Processor Core | 8 core, 16 threads |
| Processor Frequency | 3.20 GHz, turbo up to 5.1 GHz |
| Processor Technology | HPE Gen10 Plus with Intel Xeon E Processor (Rocket Lake platform) |
| System Score | Ranked 349th by PassMark in the Multithreaded CPU Server Benchmarks and 67th in the S |
| RAM | No RAM included in standard configuration |
| RAM Type | DDR4 |
| RAM Upgrade | Up to 128GB. The CPU has 2 memory channels, each one connected to 2 DIMM slots. Proce |
| Motherboard | HPE based on Intel C256 Chipset |
| PCI Express Slots | Slot 1 PCle 4.0 x8 low-profile Slot 2 PCle 4.0 x8 full-height, half-length |
| 'OS' Storage Controller | Embedded Intel VROC SATA SW RAID. It supports SATA drives and optionally provides softw |
| 'OS' Drives | A dedicated SSD drive for the 'OS' (operating system) is available as a standard option. A seco |
| 'Data' Storage Controller | Optional. When not installed, 'Data' drives are connected to 'OS' Storage Controller |
| 'Data' Drives | NVMe 3.1 x4 Cards - up to 2 x 4 TB SATA3 SSD - up to 4 x 3.84 TB |
| 'Data' Drives Supported (Internal) | No Hard Drive included. Supports up to 4 SFF (2.5") SATA drives. If you order a specialized co |
| Ethernet Ports | 2x1Gbs network ports embedded on motherboard based on Broadcom BCM 5720 chipse |
| Remote Management | HP iLo5 Advanced via dedicated Ethernet Management port. KVM Console over the Internet |
| Power Supply | 290W Integrated Power Supply is the standard, non-redundant AC power supply featuring |
| Power consumption | 58W at $30%$ usage (23W idle, $141W$ at maximum load) with $32GB$ RAM, $2x960GB$ SS |
| Unit Size | 1U rack form factor with a length of 15.05"/38.22cm |
| Datacenter | Coresite LA2 in Los Angeles |
| Unit Size | 1U rack form factor with a length of 15.05"/38.22cm |

PRODUCT SPECIFICATIONS (continued...)

| RAM | 16 GB ECC DDR4 running at 3200 MT/s for DL20 Gen10 Plus |
|------------------------------------|---|
| RAM | No RAM included in standard configuration |
| RAM Type | DDR4 |
| RAM Upgrade | Up to 128GB. The CPU has 2 memory channels, each one connected to 2 DIMM slots. Proce |
| Drives for 'OS' | 1 x 240 GB (or more) SATA3 SSD |
| 'OS' Storage Controller | Embedded Intel VROC SATA SW RAID. It supports SATA drives and optionally provides softw |
| 'OS' Drives | A dedicated SSD drive for the 'OS' (operating system) is available as a standard option. A seco |
| Remote Management | Dedicated ILO Remote Management Port - A dedicated chip that controls the server even w |
| Remote Management | HP iLo5 Advanced via dedicated Ethernet Management port. KVM Console over the Internet |
| Connection Speed | 1 Gbps |
| Operating System | Oracle Linux (free, CentOS replacement) |
| Backup with R1Soft | I don't need to backup this server using the datacenter backup services |
| SLA for Hardware | Standard SLA for Hardware - 'Replacement in 12 hours' Spare parts are available on site an |
| SLA for Software | Standard SLA for Software - Works as expected' Unlimited number of requests for operatin |
| PCI Express Slots | Slot 1 PCIe 4.0 x8 low-profile Slot 2 PCIe 4.0 x8 full-height, half-length |
| 'Data' Storage Controller | Optional. When not installed, 'Data' drives are connected to 'OS' Storage Controller |
| 'Data' Drives | NVMe 3.1 x4 Cards - up to 2 x 4 TB SATA3 SSD - up to 4 x 3.84 TB |
| 'Data' Drives Supported (Internal) | No Hard Drive included. Supports up to 4 SFF (2.5") SATA drives. If you order a specialized co |
| Ethernet Ports | 2 x 1 Gbs network ports embedded on motherboard based on Broadcom BCM5720 chipse |

Location

Colocation

| Datacenter (1) | Setup | Monthly |
|--|-------|----------|
| Datacenter: Coresite LA1 (One Wilshire) | - | +\$19.05 |
| Datacenter: Equinix DA3 | - | +\$19.72 |
| Datacenter: iM Critical Miami | - | -\$13.56 |
| Datacenter: Equinix MI1 (formerly Terremark NA | - | +\$4.62 |
| Datacenter: Coresite VA1 | - | -\$5.59 |
| | | |

Colocation (continued...)

| Datacenter (continued) | Setup | Monthly |
|-------------------------------------|-------|----------|
| Datacenter: Equinix DC2 | - | +\$9.66 |
| Datacenter: Equinix DC3 | - | -\$6.01 |
| Datacenter: Equinix DC10 | - | -\$9.63 |
| Datacenter: Customer Rented Cabinet | - | -\$30.62 |

Hardware

RAM

| RAM 2 | Setup | Monthly |
|--|-------|-----------|
| 32 GB ECC DDR4 running at 3200 MT/s for DL2. | - | +\$18.67 |
| 48 GB ECC DDR4 running at 3200 MT/s for DL2. | - | +\$37.35 |
| 64 GB ECC DDR4 running at 3200 MT/s for DL2. | - | +\$56.02 |
| 96 GB ECC DDR4 running at 2933 MT/s for DL2. | - | +\$97.90 |
| 128 GB ECC DDR4 running at 2933 MT/s for D | - | +\$136.76 |

'OS' Storage

| Drives for 'OS' 3 | Setup | Monthly |
|--------------------------------|-------|---------|
| 2 x 240 GB (or more) SATA3 SSD | - | +\$6.00 |

'Data' SSD/HDD Storage

| RAID Controller for Internal Drives | Setup | Monthly |
|---|-------|----------|
| HPE RAID P408i-a Smart Array Mezzanine (2GB | - | +\$41.00 |
| SSD Datacenter (SATA) | Setup | Monthly |
| 1 x 480 GB SATA3 SSD Intel DC S3510 | - | +\$21.00 |
| 2 x 480 GB SATA3 SSD Intel DC S3510 | - | +\$42.00 |
| 3 x 480 GB SATA3 SSD Intel DC S3510 | - | +\$63.00 |
| 4 x 480 GB SATA3 SSD Intel DC S3510 | - | +\$84.00 |
| 1 x 480 GB SATA3 SSD Intel DC S3520 | - | +\$21.00 |
| 2 x 480 GB SATA3 SSD Intel DC S3520 | - | +\$42.00 |
| 3 x 480 GB SATA3 SSD Intel DC S3520 | - | +\$63.00 |
| | | |

Hardware (continued...)

'Data' SSD/HDD Storage (continued...)

| SSD Datacenter (SATA) (continued) | Setup | Monthly |
|---|-------|-----------|
| 4 x 480 GB SATA3 SSD Intel DC S3520 | - | +\$84.00 |
| 1 x 480 GB SATA3 SSD Intel D3-S4510 | - | +\$21.00 |
| 2 x 480 GB SATA3 SSD Intel D3-S4510 | - | +\$41.00 |
| 3 x 480 GB SATA3 SSD Intel D3-S4510 | - | +\$62.00 |
| 4 x 480 GB SATA3 SSD Intel D3-S4510 | - | +\$82.00 |
| 1 x 960 GB SATA3 SSD Intel DC S3520 | - | +\$42.00 |
| 2 x 960 GB SATA3 SSD Intel DC S3520 | - | +\$84.00 |
| 3 x 960 GB SATA3 SSD Intel DC S3520 | - | +\$126.00 |
| 4 x 960 GB SATA3 SSD Intel DC S3520 | - | +\$168.00 |
| 1 x 960 GB SATA3 SSD Intel D3-S4510 | - | +\$39.00 |
| 2 x 960 GB SATA3 SSD Intel D3-S4510 | - | +\$78.00 |
| 3 x 960 GB SATA3 SSD Intel D3-S4510 | - | +\$117.00 |
| 4 x 960 GB SATA3 SSD Intel D3-S4510 | - | +\$156.00 |
| 1 x 1.92 TB SATA3 SSD Intel DC S4500 | - | +\$84.00 |
| 2 x 1.92 TB SATA3 SSD Intel DC S4500 | - | +\$168.00 |
| 1 x 1.92 TB SATA3 SSD Intel D3-S4510 / D3-S | - | +\$76.00 |
| 2 x 1.92 TB SATA3 SSD Intel D3-S4510 / D3-S | - | +\$153.00 |
| 3 x 1.92 TB SATA3 SSD Intel D3-S4510 / D3-S | - | +\$229.00 |
| 4 x 1.92 TB SATA3 SSD Intel D3-S4510 / D3-S | - | +\$306.00 |

'Data' NVMe Storage

| NVMe Datacenter Card | Setup | Monthly |
|--|-------|-----------|
| 1 x 2 TB NVMe PCIe x4 card Intel P3600 | - | +\$149.00 |
| 2 x 2 TB NVMe PCle x4 card Intel P3600 | - | +\$298.00 |
| 1 x 2 TB NVMe PCle 3.1 x4 card Intel P4600 | - | +\$160.00 |
| 2 x 2 TB NVMe PCIe 3.1 x4 card Intel P4600 | - | +\$320.00 |

Connectivity

Network Access

| Connection Speed 5 | Setup | Monthly |
|----------------------------|-------|----------|
| 2 Gbps (2 x 1 Gbps LACP) | - | +\$5.80 |
| 4 Gbps (4 x 1 Gbps LACP) | - | +\$23.20 |
| 10 Gbps | - | +\$34.80 |
| 20 Gbps (2 x 10 Gbps LACP) | - | +\$69.60 |

'Data' External Storage

| Storage Boxes Connectivity | Setup | Monthly |
|--|-------|---------|
| External SAS/SATA port to connect one external | - | - |
| External SAS/SATA ports to connect 2 external S. | - | - |
| External SAS/SATA ports to connect 3-4 externa. | - | - |

Network Cards

| Setup | Monthly |
|-----------------|----------------------------|
| - | +\$13.00 |
| - | +\$26.00 |
| - | +\$14.00 |
| - | +\$28.00 |
| - | +\$3.00 |
| - | +\$6.00 |
| Setup | Monthly |
| - | +\$28.90 |
| - | +\$57.80 |
| - | +\$41.00 |
| - | +\$82.00 |
| - | +\$49.00 |
| - | +\$26.00 |
| | |
| - | +\$26.00 |
| - Setup | +\$26.00 Monthly |
| - Setup - | <u> </u> |
| | - - - - - - |

Network Access (continued...)

| Connection Speed (continued) 5 | Setup | Monthly |
|--------------------------------|-------|-----------|
| 40 Gbps (4 x 10 Gbps LACP) | - | +\$139.20 |
| 40 Gbps | - | +\$92.80 |
| 80 Gbps (2 x 40 Gbps LACP) | - | +\$174.00 |

Software

Software

| Operating System 6 | Setup | Monthly |
|---|-------|-----------|
| CentOS | - | - |
| Fedora | - | - |
| Debian | - | - |
| Ubuntu | - | - |
| FreeBSD | - | - |
| CloudLinux | - | +\$12.85 |
| Windows Server 2022 Standard (8 x 2-core lice | - | +\$66.47 |
| Windows Server 2022 Datacenter (8 x 2-core I | - | +\$460.36 |
| Windows Server 2019 Standard (8 x 2-core lice | - | +\$66.47 |
| Windows Server 2019 Datacenter (8 x 2-core I | - | +\$460.36 |
| Windows Server 2016 Standard (8 x 2-core lice | - | +\$66.47 |
| Windows Server 2016 Datacenter (8 x 2-core I | - | +\$460.36 |
| A different operating system | - | _ |

Support

Software Support

| SLA for Software 9 | Setup | Monthly |
|---------------------------|-----------|-----------|
| Advisory SLA for Software | +\$232.00 | +\$69.60 |
| Expert SLA for Software | +\$232.00 | +\$139.20 |
| Ultimate SLA for Software | +\$348.00 | +\$336.40 |

Software (continued...)

| Control Panel Software | Setup | Monthly |
|--|-------|-----------|
| cPanel / WHM running inside a virtual server (up | - | +\$30.28 |
| cPanel / WHM running inside 2 virtual servers (up. | - | +\$60.57 |
| cPanel / WHM running inside 3 virtual servers (up. | - | +\$90.85 |
| cPanel / WHM running inside 4 virtual servers (up. | - | +\$121.13 |
| cPanel / WHM running inside 5 virtual servers (up. | - | +\$151.41 |

Backup

| Backup with R1Soft 7 | Setup | Monthly |
|---|-------|---------|
| Full Server Backup with R1Soft Software | - | +\$6.00 |