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 MIA1 (formerly Terremark N	-	+\$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

Setup	Monthly
-	+\$41.00
Setup	Monthly
-	+\$21.00
-	+\$42.00
-	+\$63.00
-	+\$84.00
-	+\$21.00
-	+\$42.00
-	+\$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 PCIe x4 card Intel P3600	-	+\$298.00
1 x 2 TB NVMe PCIe 3.1 x4 card Intel P4600	_	+\$160.00

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

Software

Software

Operating System 6	Setup	Monthly
CentOS	-	-
Fedora	-	-

'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

Ethernet 1G Cards (PCIe)	Setup	Monthly
1 x Intel Gigabit I350-T2 Server Adapter (2 x R)	-	+\$13.00
2 x Intel Gigabit I350-T2 Server Adapter (2 x RJ	-	+\$26.00
1 x HP Gigabit 361T Ethernet Server Adapter (2	-	+\$14.00
2 x HP Gigabit 361T Ethernet Server Adapter (2	-	+\$28.00
1 x Intel Gigabit CT Desktop Adapter (1 x RJ45)	-	+\$3.00
2 x Intel Gigabit CT Desktop Adapter (1 x RJ45)	-	+\$6.00
Ethernet 10G Cards (PCIe)	Setup	Monthly
1 x Intel TenGigabit X520-DA2 Server Adapter,	-	+\$28.90
2 x Intel TenGigabit X520-DA2 Server Adapter,	-	+\$57.80
1 x Intel TenGigabit X710-DA4 Server Adapter,	-	+\$41.00
2 x Intel TenGigabit X710-DA4 Server Adapter,	-	+\$82.00
1 x Intel TenGigabit X722-DA4 Server Adapter,	-	+\$49.00
1 x HP TenGigabit 560SFP+ Server Adapter (2 x	-	+\$26.00
1 x HP TenGigabit NC523SFP Server Adapter (2	-	+\$26.00
Ethernet 40G Cards (PCIe)	Setup	Monthly
1 x Intel XL710-QDA2 Ethernet Server Adapter	-	+\$46.50
2 x Intel XL710-QDA2 Ethernet Server Adapter	-	+\$93.00

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 (continued...)

Operating System (continued) 6	Setup	Monthly
Debian	-	-
Ubuntu	-	-

Software (continued...)

Software (continued...)

Operating System (continued) 6	Setup	Monthly
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	-	-

Backup

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

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
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