

CyberServe Xeon SP1-110S NVMe G4 GPU

Supports 1x double slot GPU card, 4th Gen Intel Xeon Scalable processor, dual 1Gb/s LAN ports, redundant power supply, 10 x 2.5" NVMe/SATA hot-swappable bays

What Now?

- 1. Call +61 2 8551 2715
- 2. Quote Reference PDUA80665

RRP: \$15,391.31

Ex. GST

\$12,313.05

Buy Now



BEST PRICE
GUARANTEED

We won't be beaten on price! We're so confident in our fantastic value, we guarantee you won't find the same spec at this price elsewhere!

further information

<https://www.broadberry.com.au/xeon-scalable-processor-gen4-rackmount-servers/cyberserve-xeon-sp1-110s-nvme-g4-gpu>

System Summary

| | |
|---------------------------------|--|
| Supermicro SuperServers | Supermicro SuperServer 111E-WR SYS-111E-WR |
| Processor | Intel Xeon Gold 5412U Processor 24 Cores (45M Cache, 2.10/3.90 Ghz) 185W |
| Memory | 4x 16GB 4800MT/s DDR5 ECC Registered DIMM Module |
| Hard Drive | 4x Micron 5400 PRO 960GB SATA 2.5" (7mm) Non-SED Enterprise SSD |
| M.2 Internal Solid State Drives | Micron 7450 PRO 960GB NVMe M.2 (22x80) Non-SED Enterprise SSD |
| PCI Express Expansion | Intel X710-T2L - 10GbE Dual-Port RJ45 Server Adaptor |
| Trusted Platform Module (TPM) | TPM 2.0 - Trusted Platform Module with TCG 2.0 - AOM-TPM-9670V |
| Total Price: | \$12,313.05 |

Your Configured System Specifications

| | | | |
|--|--|---|---|
| Supernicro SuperServer 111E-WR SYS-111E-WR | | | |
| Intel Xeon Gold 5412U Processor 24 Cores (45M Cache, 2.10/3.90 Ghz) 185W | | | |
| Features | | Processor | Maximum internal memory 4000 GB |
| Commodity Classification Automated Tracking System (CCATS) | G180729 | | |
| Embedded options available | N | Box | N |
| Execute Disable Bit | Y | High priority core frequency | 2.3 GHz |
| Export Control Classification Number (ECCN) | SA992C | High priority cores | 0 |
| Market segment | Server | Low priority cores | 16 |
| Maximum number of PCI Express lanes | 80 | Processor base frequency | 2.1 GHz |
| PCI Express slots version | 5.0 | Processor boost frequency | 3.9 GHz |
| Scalability | 1S | Processor cache | 45 MB |
| Supported instruction sets | AMX, SSE4.2, AVX, AVX 2.0, AVX-512 | Processor codename | Sapphire Rapids |
| Use conditions | Server/Enterprise | Processor cores | 24 |
| Graphics | | Processor family | Intel® Xeon® |
| Discrete graphics card | N | Processor generation | Intel Xeon Scalable 4th Gen |
| Discrete graphics card model | Not available | Processor manufacturer | Intel |
| On-board graphics card | N | Processor model | 5412U |
| On-board graphics card model | Not available | Processor operating modes | 64-bit |
| Logistics data | | Processor socket | FCLGA4677 |
| Harmonized System (HS) code | 8542310001 | Processor threads | 48 |
| Memory | | Stepping | S3 |
| ECC | Y | Thermal Design Power (TDP) | 185 W |
| Maximum internal memory supported by processor | 6000 GB | Processor special features | |
| Memory channels | Octa-channel | AVX-512 Fused Multiply-Add (FMA) units | 2 |
| Memory types supported by processor | DDR5-SDRAM | Intel 64 | Y |
| Operational conditions | | Intel Software Guard Extensions (Intel SGX) | Y |
| Tcase | 81 °C | Intel Trusted Execution Technology | Y |
| Other features | | | |
| 4x 16GB 4800MT/s DDR5 ECC Registered DIMM Module | | | |
| Features | | Internal memory | 16 GB |
| Buffered memory type | Registered (buffered) | Internal memory type | DDR5 |
| CAS latency | 40 | Memory clock speed | 4800 MHz |
| | | Memory voltage | 1.1 V |
| 4x Micron 5400 PRO 960GB SATA 2.5" (7mm) Non-SED Enterprise SSD | | | |
| Features | | SSD capacity | 960 GB |
| Data transfer rate | 6 Gbit/s | SSD form factor | 2.5" |
| Hardware encryption | Y | Target workload | Read Intensive (RI) |
| Interface | Serial ATA III | Uncorrectable Bit Error Rate (UBER) | < 1 per 10 ¹⁷ bits read |
| Memory type | 3D TLC NAND | Logistics data | |
| Random read (4KB) | 95000 IOPS | Harmonized System (HS) code | 84717070 |
| Random write (4KB) | 33000 IOPS | Operational conditions | |
| Security algorithms | 256-bit AES | | |
| Micron 7450 PRO 960GB NVMe M.2 (22x80) Non-SED Enterprise SSD | | | |
| Features | | Random read (4KB) | 520000 IOPS |
| Hardware encryption | Y | Random write (4KB) | 82000 IOPS |
| Interface | PCI Express 4.0 | Read latency | 80 µs |
| Memory type | 3D TLC NAND | SSD capacity | 960 GB |
| NVMe | Y | SSD form factor | M.2 |
| NVMe version | 1.4 | Target workload | Read Intensive (RI) |
| PCI Express interface data lanes | x4 | | |
| Intel X710-T2L - 10GbE Dual-Port RJ45 Server Adaptor | | | |
| Design | | Intel Data Direct I/O Technology | Y |
| Internal | Y | Intel Flexible Port Partitioning | Y |
| Network | | Intel Virtual Machine Device Queues (VMDq) | Y |
| Maximum operating distance | 100 m | Intel Virtualization Technology for Connectivity (VT-c) | Y |
| Other features | | Intelligent Offloads | Y |
| Bracket height | Low-Profile (LP) / Full-Height (FH) | Interface type | PCIe v3.0 (8.0GT/s) |
| Cable type | RJ45 Category 6, Category 6A, Category 5e up to 100m | Interface type | 10GBase-T |
| Cabling type | RJ45 Category 6, Category 6A, Category 5e up to 100m | Network interface card cable medium | Copper |
| Commodity Classification Automated Tracking System (CCATS) | NA | Network interface card type | Server |
| Controller type | Intel® Ethernet Controller X710-AT2 | On-chip QoS and Traffic Management | Y |
| Export Control Classification Number (ECCN) | SA991 | PCI-SIG® SR-IOV Capable | Y |
| Harmonized System (HS) code | 8517620090 | | |
| TPM 2.0 - Trusted Platform Module with TCG 2.0 - AOM-TPM-9670V | | | |
| | | Product series | 700 Series Network Adapters (up to 40GbE) |
| | | Speed & slot width | 8.0 GT/s, x8 Lane |
| | | Storage | ISCSI, NFS |
| | | Over Ethernet | Y |
| | | Target market | Artificial Intelligence, High Performance Computing |
| | | Ports & interfaces | |
| | | Ethernet | 2 |
| | | LAN (RJ-45) ports | 2 |
| | | Host interface | PCI Express |
| | | PCI version | 3.0 |
| | | System requirements | |
| | | Compatible operating systems | https://www.intel.com/content/www/us/en/support/articles/000025890/network-and-i-o/ethernet-products.html |



CyberServe Xeon SP1-110S NVMe G4 GPU features



3 Years Warranty as Standard

Buy with confidence knowing all Broadberry CyberServe rack servers are backed up by our 3 year warranty, with further warranty upgrade options available.



Trusted CyberServe Server Platform

The Broadberry range of CyberServe® rackmount are trusted as the server of choice for thousands of companies from SMBs to enterprise's across the globe.



Based on Tesla GPU

GPU SuperComputing servers offer massive processing power and HPC performance, considerably accelerating applications.



Supports SATA Drives

This system can be configured with SATA drives for cost-effective 12gb/s storage.



Supports NVMe Drives

This system can be configured with NVMe drives, which are capable of significantly better performance than SATA and SAS.



Small Form Factor Storage

The CyberServe Xeon SP1-110S NVMe G4 GPU boasts high density storage and ultimate energy efficiency, catering for up to 10x High-Performance 2.5" SSD or Hard Drives



Fully VMWare Compatible

The CyberServe Xeon SP1-110S NVMe G4 GPU has been carefully crafted to ensure full compatibility with VMWare, making it an ideal choice for use as a virtualisation server



Configure with up to 1TB RAM

Ready for the most demanding enterprise applications, the Broadberry CyberServe Xeon SP1-110S NVMe G4 GPU can be configured with up to 8 DDR5 ECC Registered memory modules.

Bank Details:

Broadberry Data Systems Ltd, NATWEST West Ealing, 162 Uxbridge Road, London, W13 8JL
Account No: 40248933, Branch Sort-Code: 60-23-13, IBAN: GB10 NWBK 6023 1340 2489 33