

S6X | D54X-1U

Let Hyperscalers meet your bespoke requirements!

Start customizing your S6X | D54X-1U today!

Ultimate Compute Performance and Modular Design

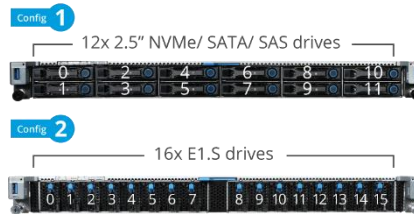
- Powered by **4th Gen Intel® Xeon® Scalable processors** with up to 350W TDP
- **PCIe 5.0** & DDR5 platform ready
- Offers 16x E1.S" NVMe flash or 12x 2.5" NVMe flash drives
- Up to 3x SW accelerators in a 1U chassis
- Supports up to 400GbE networking bandwidth in **x16 PCIe 5.0**

slots

- Enhanced serviceability with tool-less, hot-swap designs
- NEBS compliant for Telco/5G data center deployments
- Liquid cooling supported
- Upgraded data protection with Intel SGX, Intel® Crypto Acceleration, and PFR (optional)
- Enhanced serviceability with tool-less, hot-swap designs

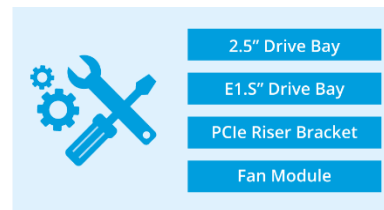


Flexible and Scalable Configurations



- Up to 5x PCIe 5.0 slots, supporting 400GbE networking bandwidth in PCIe x16 Gen5 slots in a 1U system.
- Flexible I/O options with a variety of OCP mezzanine options for diverse configurations.
- Vast variety of storage configurations, supporting 12x 2.5" NVMe/SATA/SAS drives or 16xE1.S" drives.
- 2x onboard PCIe M.2 2230 slot

Quick Deployment with Great Serviceability



- Tool-less, hot-swap designs for drive trays, riser brackets and fan modules
- Easy service with OCP3.0 pull-tab & ejector without opening chassis

Easy Management



- Secure and dynamic data administration of data center resources with Orqestra (QCT System Manager)
- Monitor up to 5000 devices per Orqestra module

About Hyperscalers

World's First OpenOEM

Free Of Proprietary Software Lock-Ins

Free Of Proprietary Hardware Lock-Ins

US Stock Full US Warranty

100% Channel Distributor Metro Delivery 1-4 Days



S6X | D54X-1U Specifications

| | |
|---------------------------|---|
| Processor | Processor Type: 4th gen Intel® Xeon® Scalable processor Max. TDP Support: 350W Number of Processors: 2 Processors Internal Interconnect: 16 GT/s L3 Cache: Up to 112.5MB |
| Form Factor | 1U |
| Dimensions | W x H x D (inch): 17.6" x 30.7" x 1.7" W x H x D (mm): 447 x 780 x 43.2 |
| Chipset | Intel® C741 Series |
| Storage | Default Configuration: SATA/ SAS/ NVME support 2.5" Hot-plug E1.S" All Flash SKU - #1 [2.5" SKU]: (12) 2.5" hot-plug NVMe/SATA/SAS SSD SKU - #2 [E1.S" All Flash]: (16) E1.S" hot-plug NVMe SSD |
| Memory | Total Slots 32 Capacity Up to 8TB (256Gx32) of memory capacity Memory Type 4800 MHz DDR5 RDIMM/LRDIMM Memory Size 16G, 32G, 64G, 128G, 256G RDIMM/LRDIMM/3DS DIMM |
| Expansion Slot | Default Configuration (2) PCIe Gen5 x16 OCP 3.0 SFF (1) DC-SCM board SKU - #1 (2) PCIe Gen5 x16 FHHL (2) PCIe Gen5 x16 OCP 3.0 SFF (1) DC-SCM SKU - #2 (3) PCIe Gen5 x16 HHHL (2) PCIe Gen5 x16 OCP 3.0 SFF (1) DC-SCM |
| Network Controller | LOM Dedicated (1) GbE management port Optional NIC Please refer to our Compatible Component List for more information |
| Front I/O | Front I/O: (2) USB 3.0 |

| | |
|------------------------------|---|
| Storage Controller | Onboard: Intel® C741 12x SATA3 6Gb/s ports Optional Controller: Broadcom MegaRAID 9560 Series HHHL Channel Card Broadcom 9500 Series PCIe Gen 4.0 Tri-Mode Storage HBAs |
| Power Supply | 1+1 High efficiency redundant hot-plug 800W/1600W/2000W 80 Plus Titanium |
| Onboard Storage | (2) 2230 PCIe M.2 for booting OS |
| Optional Storage | (2) 2280/22110 PCIe/SATA M.2 for booting OS |
| Fan | (8) dual rotor fans (15+1 redundant) |
| Video | Integrated AST2600. Maximum display resolution is up to 1920x1080p 32bpp@60Hz. |
| System Management | Redfish v1.11 IPMI v2.0 Compliant, on board "KVM over IP" support Orqestra (QCT System Manager) (Optional) |
| Rear I/O | (1) USB 3.0, (1) Mini display port, (1) ID LED, (1) PFR/PWR LED, (1) PFR/PWR Button, (1) COM Port (micro USB type-B), (1) RJ45 |
| Operating Environment | Operating temperature: 5°C to 40°C (can support 45°C under certain situation) Non-operating temperature: -40°C to 70°C Operating relative humidity: 20% to 85%RH Non-operating relative humidity: 10% to 95%RH |
| TPM | TPM 2.0 |
| OCP Compliance | OCP Compliant |

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About Hyperscalers

Hyperscalers is the world's first open Original Equipment Manufacturer offering proprietary-free alternative to traditional Tier 1 OEM vendors.

Hereto to solve Information technology's complexity, Hyperscalers developed the IP Appliance Design Process. Which is basically a process along with a utility, being the Appliance Optimizer Utility, which together, assists service providers 'productize' delivery of their Digital-IP.

Technology Partners



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