Solving Information Technology's **complexity**

hyperscalers.com

"The Power of Hyper Convergence"

S5S TC

Let Hyperscalers meet your bespoke requirements.

Start customizing your S5S TC today.

- Scale up to four (4) independent server nodes in 2RU
- Up to 8 x Intel Xeon 2nd Generation Processors
- SAS or SATA SSD up to 450K IOPS each (4k read)
  Ideal for Tier 1 Workloads
- M.2 Slot for OS or caching
- Flexible Networking option up to 8 x 100G or 16 x 25G ports in 2RU

The Power of Hyper Convergence

Faster socket interconnect, 1.5x memory bandwidth and 2x FLOPs peak performance capability with Intel® Xeon® Processor Scalable Family.
Up to 440 vCPUs per server and 3.9x higher virtualized throughput compared with previous platform based on Intel® Xeon® processor E5.

intel OPTANE DC PERSISTENT MEMORY

Up to 7.68TB
*(512G*12 DCPMM + 128G*12 RDIMM/LRDIMM)*

Easy Service and Maintenance

Hot-pluggable PSU, FAN, HDD trays. Easy-swappable MB sleds spare technicians the need of removing the whole server chassis from the rack. Tool-less power distribution board (PDB) and fan cage modules minimize service down time.

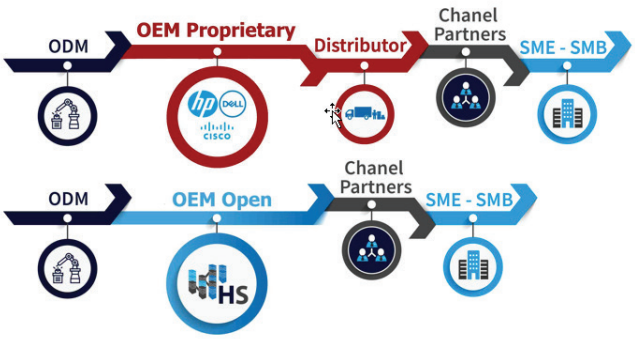
Better Space and Energy Utilization

Double compute density compared to regular 1U rackmount servers. Shared power supplies and cooling system further boosts resource utilization. Smart chassis management to distribute precise airflow and power to each node dynamically.

About Hyperscalers

- World's First Open OEM
- Free Of Propritery Software Lock-Ins
- Free Of Propritery Hardware Lock-Ins

- AU Stock
- Full US Warranty
- 100% Channel Distributor
- Metro Dilivery 1-4 Days



S5S TC Specification

Processor Type	Intel®Xeon® Processor Scalable Family
Max. TDP Support	165W
Number of Processors	(2) per node
Internal Interconnect	9.6/10.4 GT/s
Form Factor	2U
W x H x D (inch)	17.48 x 3.44 x 31.1
W x H x D (mm)	444 x 87.5 x 790
Chipset	Intel® C621 Intel® C624
Default Configuration	2.5" Hot-plug 3.5" Hot-plug
Storage	Default Configuration: 2.5" Hot-plug SKU - #1 : (24) 2.5" hot-plug SATA/SAS HDD/SSD SKU - #2 : (12) 3.5"/2.5" hot-plug SATA/SAS HDD/SSD
Total Slots	(16) slots per node
Capacity	Up to 2TB (128Gx16) of memory for RDIMM/ LRDIMM per node Up to 3.58TB (512G*4 DCPMM + 128G*12 RDIMM/LRDIMM) in specific condition
Memory Type	2666 MHz DDR4 RDIMM 2933Mhz DDR4 RDIMM/LRDIMM Up to (4) 2666Mhz Intel® Optane™ DC Persistent Memory (DCPMM) per node
Memory Size	64GB, 32GB, 16GB, 8GB RDIMM 16G, 32G, 64G 2933Mhz RDIMM/LRDIMM '128G, 256G, 512G Intel DCPMM (Refer to CCL)
Default Configuration	(1) PCIe Gen3 x16 LP MD-2 (1) PCIe Gen3 x8 for SAS Mezz (1) PCIe Gen3 x16 for OCP Mezz (1) PCIe Gen3 x2 for 2280/22110 M.2
Optional NIC	Quanta Intel® X527 10G SFP+ dual/quad-port OCP PHY mezzanine or Quanta Intel® X557 10G RJ45 dual/quad-port OCP PHY mezzanine or Quanta Intel® I357 1G RJ45 dual/quad-port OCP PHY mezzanine or (more options refer to the CCL)

Front I/O	(1) USB 2.0 per node
Onboard	Intel® C621 or C624: 4x sSATA 6Gb/s ports 2x SATA 6Gb/s ports SATA RAID 0, 1, 10
Optional Controller	Quanta Broadcom® 3008A-IR 12Gb/s SAS mezzanine, RAID 0,1,10 Quanta Broadcom® 3008A-IR 12Gb/s SAS mezzanine, RAID 0,1,10 Quanta Broadcom® 3108A 12Gb/s RAID mezzanine, RAID 0, 1, 5, 10, 50, 60. (Coming soon)
Power Supply	Option 1: (2) High efficiency hot-plug 1600W PSU, 80 Plus Platinum Option 2: (2) High efficiency hot-plug 2200W PSU, 80 Plus Platinum
Onboard Storage	Option 1: (1) PCIe M.2 per node Option 2: (1) SATA M.2 per node
Fan	(4) system fans
Video	Integrated ASPEED AST2500 8MB DDR4 video memory
System Management	Redfish v1.1 IPMI v2.0 Compliant, on board "KVM over IP" support QCT System Manager (QSM) v1.8 (Optional)
Rear I/O	(2) USB 3.0 ports per node (1) VGA port per node (1) Micro USB port per node (1) 10/100/1000 RJ45 management port per node
Operating Environment	Operating temperature: 5°C to 35°C (41°F to 95°F) Non-operating temperature: -40°C to 70°C (-40°F to 158°F) Operating relative humidity: 20% to 85%RH. Non-operating relative humidity: 10% to 95%RH
TPM	TPM 2.0
Weight (Max. Configuration)	39.3 kg / (86.64 lb)
Qualified Operating Systems	Red Hat KVM, RED HAT ENTERPRISE LINUX, VMware vSphere 6.5 ESXi 6.5, Ubuntu 16.04 Server, Windows Server 2012, Windows Server 2016, Microsoft Hyper-v

Authorised Hyperscalers Partner

About Hyperscalers

Hyperscalers is the world's first open Original Equipment Manufacturer offering proprietary-free alterative 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

Quanta Computer, QCT, intel XEON inside, Western Digital, SAMSUNG

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