> **World's Densest
> Storage Server**

S5P TC

Let Hyperscalers meet your bespoke requirements.

Start customizing your S5P TC today.

- Single or Dual Server Node Design

- HDD/SSD Individually power off

- Lower Operating Costs Screwless HDD/SSD

- Record Storage Capacity up to 2.34 PB IN 4U

- Flexible networking options up to 12x25G Ports

About Hyperscalers

World's First Open OEM

Free Of Propritery Software Lock-Ins

Free Of Propritery Hardware Lock-Ins

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

World's Densest 4U Multi Node Storage Server

Tailored to meet the growing storage capacity demand in hyperscale datacenters, the S5P TC as part of our Tier 1 Original range, allows operators ultimate customization capabilities to meet any bespoke demand from data analytics to archive storage.

Equipping up to seventy-eight (78) hot-swappable and screw-less: 3.5" or 2.5" SSD / HDD drives and two (2) high-computing server nodes, each with two (2)sockets and two (2) fast SSD boot drives into an ultra-dense 4U chassis.

The S5P TC is a highly sophisticated, multi node storage server built to provide an unmatched dollar per-GB costs for cold, warm and even hot storage workloads. With the latest Intel® Xeon® Processor Scalable Family, flexible networking options of up to 12 x 25G ports and Hyperscale Datacenter Management tools, the S5P TC offers cloud planners the storage capacity and the manageability they need. Let HYPER SCALERS manufacture your bespoke designs. Start configuring your S5P TC TODAY!

78* HDD 6-12Gbs

14 TB RPM 7.2k

1092 TB of HDD
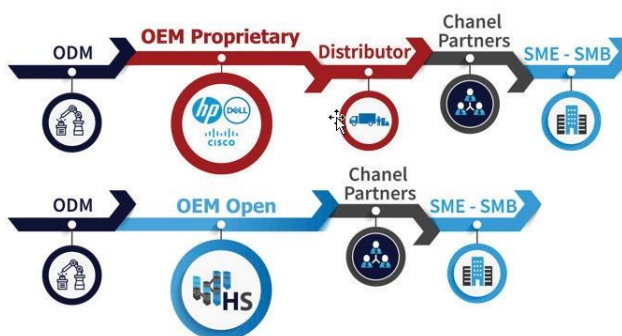

78* SSD 12Gbs

30.7 TB IOPS 450k 4k read

2395 TB of SSD

S5P Dual Node Rear

S5P Single Node Rear

S5P TC Specification

Form Factor	4U Rack Mount
Dimensions	W x H x D (inch) 17.6 x 6.9 x 35.9 W x H x D (mm) 447 x 175.3 x 912.2
Expanson Slot	(1) PCIe Gen3 x8 support QCT SAS Mezz 3008A/3108A (CPU0) (Optional riser: Standard PCIe x8) (1) PCIe Gen3 x8 support QCT SAS Mezz 3008A/3108A (CPU1) (1) PCIe Gen3x 8 support OCP 2.0 slot (CPU0) (1) PCIe Gen3x8 HHHL (CPU1) (1) PCIe Gen3x16 HHHL (CPU1) (Conditional support for FHHL)
Storage	(70) 3.5" hot-plug tray support 2.5"/3.5" SATA/SAS HDD/SSD for dual node (SKU 1) (78) 3.5" hot-plug tray support 2.5"/3.5" SATA/SAS HDD/SSD for single node (SKU 2)
Front I/O	Power/ID/Reset Buttons, LEDs
Power Supply	(2+2) 1200W Platinum High Efficiency Redundant PSU, 100V-240V
Fan	(4) 8056 + (1) 6056 dual-rotor Fans, support one rotor failed redundancy
System Management	Redfish v1.1 IPMI v2.0 Compliant, on board "KVM over IP" support QCT System Manager (QSM) v1.8 (Opt.)
Operating Environment	Operating temperature: 5°C to 35°C (41°F to 95°F) Non-operating temperature: -40°C to 65°C (-40°F to 149°F) Operating relative humidity: 50% to 85%RH. Non-operating relative humidity: 20% to 90%RH
Weight (Max. Configuration)	~130Kg(w/ 78xHDD)
Processor	Processor Type Intel® Xeon® processor Scalable Family Max. TDP Support 140W for single,125W for dual node Number of Processors - 2
Chipset	Intel® C621

Memory	Memory Type DDR4-2933 RDIMM slots Total Slots - 12 Memory Size 64GB, 32GB, 16GB, 8GB RDIMM
Storage Controller	Onboard Wellsburg PCH RSTe Optional Controller (more options refer to the CCL) Quanta LSI® 3008 12Gb/s SAS mezzanine, RAID 0,1,10 Quanta LSI® 3108 12Gb/s RAID mezzanine, RAID 0, 1, 5, 10; RAID 6 requires
Network Controller	LOM (1) 1GbE management port Optional NIC (more options refer to the CCL)
Onboard Storage	(1)M.2 2280
Video	ASPEED AST2500 8MB DDR4 video memory
Rear I/O	(2) USB 3.0 ports (1) VGA port (1) ID LED (1) GbE RJ45 management port (1) ID BTN with LED (Optional) (1) MicroSD slot
TPM	TPM SPI 1.2/2.0
Qualified Operating Systems	

Authorised
Hyperscalers
Partner

Technology Partners

Hyperscalers
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