Solving Information Technology's **complexity**

hyperscalers.com

Fastest Storage Ever
12 x 840K IOPS per NVMe drive

S5B TC

Let Hyperscalers meet your bespoke requirements.

Start customizing your S5L TC today.

- Intel Xeon 2nd Generation Processors
- Flexible and Scalable I/O Options
- Up to 12 x U.2 NVMe
- Quick Deployment and Maintenance
- Optional MicroSD card to record system health logs without opening chassis

About Hyperscalers

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

AU Stock

Full US Warranty

100% Channel Distributor

Metro Dilivery 1-4 Days

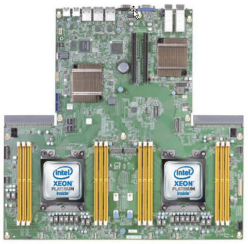
Unleashing Computing Performance

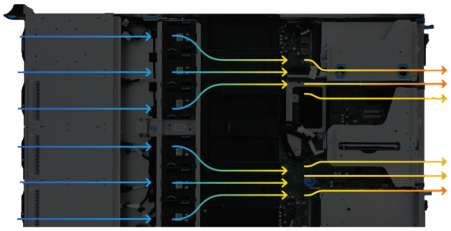
Faster socket interconnects, 1.5x memory bandwidth and 2x FLOPs peak performance capability with Intel® Xeon® Processor Scalable Family.

Up to 112 vCPUs per server and 3.9x higher virtualized throughput compared to previous platforms based on the Intel Xeon Processor E5

2X
FLOPs Capability

1.5X
Memory Bandwidth





Precise power and airflow distribution

Intel Optane DC Persistent Memory

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

Flexible and Scalable Configurations for Hyperconverged Datacenters

Up to 5 PCIe expansions slots in a 1U chassis.

Flexible I/O options, including a variety of SAS Mezz and OCP NIC/PHY Mezz options, so users avoid the extra expense of unnecessary LOM or RAID controllers

Three different kinds of storage configurations, including LFF+SSD Hybrid, SFF (SATA+U.2) Tiered and the industrys first 12 x U.2 All-Flash, tailored for diversified software-defined workloads.

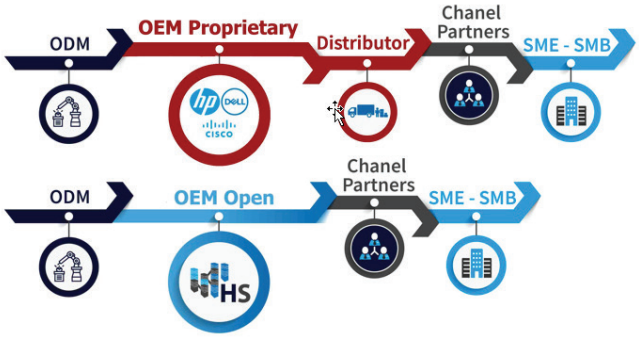
Optional SATADOM or M.2 SSD for OS installation.

Sophisticated Power and Thermal Design to Avoid Unnecessary OPEX

Minimised power consumption during system idle mode.

Support for the industry's most efficient 80 Plus Titanium PSU options

Precise power and airflow distribution to ensure performance stability under all levels of system loading.



S5B TC Specification

Processor Type	Intel®Xeon® Processor Scalable Family (refer to the CCL)
Max. TDP Support	165W
No of Processors	2 Processors
Internal Interconnect	9.6/10.4 GT/s
Form Factor	1U
W x H x D (inch)	17.3 x 1.7 x 30.7
W x H x D (mm)	440 x 43.2 x 780
Chipset	Intel® C621 Intel® C624
Default Configuration	NVMe support 2.5" Hot-plug 3.5" Hot-plug
SKU - #1	[All Flash SKU]: (12) 2.5" hot-plug SATA/ NVMe SSD
SKU - #2	[SFF Tiered SKU]: (8) 2.5" hot-plug SATA/SAS drives + (4) 2.5" hot-plug NVMe/SATA/SAS drives
SKU - #3	[Hybrid SKU]: Option 1 (4) 3.5"/2.5" hot-plug SATA/SAS drives, (4) 9mm NVMe/ SATA/SAS drives (optional) Option 2 (4) 3.5"/2.5" hot-plug SATA/SAS drives, (4) 9mm SATA/ SAS drives (optional)
Total Slots	24
Capacity	Up to 3TB (128Gx24) of memory for RDIMM/LRDIMM Up to 7.68TB (512G*12 DCPMM + 128G*12 RDIMM/LRDIMM)
Memory Type	2666 MHz DDR4 RDIMM 2933Mhz DDR4 RDIMM/LRDIMM Up to (12) 2666Mhz Intel® Optane™ DC Persistent Memory (DCPMM)
Memory Size	64GB, 32GB, 16GB, 8GB RDIMM 16G, 32G, 64G 2933Mhz RDIMM/LRDIMM 128G, 256G, 512G Intel DCPMM (Refer to CCL)
SKU - #1	[All Flash SKU] (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x16 LP MD-2 (1) PCIe Gen3 x8 FHHL
SKU - #2	Option 1 (3PCIe) (1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x16 LP MD-2 (2) PCIe Gen3 x 8 LP MD-2 Option 2 (2PCIe) (1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x 8 FHHL (1) PCIe Gen3 x16 LP MD-2
SKU - #3	Option 1 (3PCIe) (1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x16 LP MD-2 (2) PCIe Gen3 x 8 LP MD-2 Option 2 (2PCIe) (1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x16 FHHL (1) PCIe Gen3 x16 LP MD-2
LOM	Dedicated (1) GbE management port
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	(2) USB 3.0 ports Power/ID/Reset Buttons Power/ID/Status LEDs
Onboard	Intel® 621/ 624: 14x SATA 6Gb/s ports SATA RAID 0, 1, 10
Optional Controller	Quanta LSI® 3216 12Gb/s SAS mezzanine Quanta LSI® 3516 12Gb/s SAS mezzanine (RAID 0,1,5,6,10,50,60) Intel® VROC Upgrade Module for PCIe SSD (2) PCIe M.2 support with M.2 adapter for boot optimization (option) (2) SATA M.2 support with M.2 adapter for boot optimization (option)
Power Supply	(1+1) High efficiency redundant hot-plug Platinum/ Titanium 500W/800W* PSU (detailed PSU options please refer to "ordering info" or "CCL")
Onboard Storage	(2) SATADOM (optionl)
Fan	(8) dual rotor fans (15+1 redundant)
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 (1) VGA port (1) RS232 serial port (1) GbE RJ45 management port (1) ID LED (1) MicroSD slot
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
TPM	TPM 1.2/2.0 SPI module
Weight (Max. Configuration)	31KG
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

Hyperscalers Australia Head Quaters

10 of 65 Tennant Street Fyshwick
ACT 2609 Australia
P +61 1300 113 112
E info@hyperscalers.com

Opearating out of USA, India, EU
www.hyperscalers.com