

# **S5N-3U**

Let Hyperscalers meet your bespoke requirements.

Start customizing your S5N today!



- Flexible configurations for accelerator cards to support both compute and graphic intensive workloads
- Up to 128 CPU cores with an 8TB memory capacity to feed high throughput accelerator cards
- 🗸 Up to 2x HDR/200GbE networking ports for cluster computing
- Easy maintenance designs for minimum downtime

# About Hyperscalers



Software Lock-Ins









Metro Dilivery 1-4 Days

Warranty





S5N-3U is a dual-socket accelerated server powered by AMD EPYC™ 7003 top bin processors. Its fully populated memory channels can feed high throughput GPU cards to boost extreme parallel computing performance.

Its various PCIe configurations can support di"erent accelerator cards, making it an ideal platform for diverse workloads, including compute intensive applications (e.g., oil/gas exploration, molecular dynamics, AI training /inference) and graphic intensive use cases (e.g., graphic rendering, virtual workstation, and cloud gaming).

### Flexible Accelerator Card Configurations Optimized for Both Compute and Graphic Intensive Workloads

S5N-3U provides dfferent GPU topologies for diverse use cases;



- Four 165W 300W GPUs to accelerate HPC, AI training, AI inference, cloud gaming and rendering
- Eight 70W 150W GPUs to provide a TCO-optimized virtual workstation solution for multi-stream medium spec cloud gaming, AI inferencing, and video analytics
- Eight 150W GPUs to support coste"ective AI training and mixed workloads involving AI inference

### 128 CPU Cores with up to 8TB Memory to Feed High Throughput **GPUs**

QuantaGrid D43N-3U can support two AMD EPYC<sup>™</sup> 7003 top bin CPUs up to 280W and 32x DIMM slots, which is powerful enough to feed four high throughput GPU cards such as NVIDIA A100 Tensor Core GPU. It can deliver up to 45.6 Tera FLOPS HPL performance, which makes D43N-3U a TCO-optimized solution for data centers running HPC applications in molecular dynamics, life sciences and more fields.



## S5N-3U Supports 4x A100/A30/A6000 with NVIDIA NVLink<sup>™</sup> Bridges



**Data Analytics - Big Database** (4) NVIDIA A100 Tensor Core GPU

Each pair of A100 - a combined 80GB of graphic memory 600 GB/s

- (4) NVIDIA A30 Tensor Core GPU
  - Each pair of A30 a combined 48GB of graphic memory - 200 GB/s

#### **High Resolution Rendering** (4) NVIDIA RTX A6000

- Each pair of A6000 a combined 96GB of graphic memory - 112GB/s

# S5N-3U Specifications

Processor	Processor Type: AMD EPYC™7003 Series Processors			
	Max. TDP Support: up to 280W			
	Number of Processors: 2 Processors			
Form Factor	3U Radkmount			
Dimensions	W xH xD (inch): 17.2 x5.2 x 29.9			
	W xH xD (mm): 438 x131.6 x 760			
Chipset	SoC			
Storage	SKU - #1	SKU - #2	SKU - #3	SKU - #4
	(8) 2.5" SATA/SAS +	(6) 2.5" SATA/SAS +	(2) 2.5" SATA/SAS +	(6) 2.5" SATA/SAS +
	(2) 2.5" SATA/SAS/NVMe	(4) 2.5" SATA/SAS/NVMe	(8) 2.5" SATA/SAS/NVMe	(4) 2.5" SATA/SAS/NVMe
				(NVMe from Storage controller)
Memory	Total Slots: 32			
	Capacity: Up to 8TB (256Gx32) of memory capacity			
	Memory Type: 2933/3200 MHz DDR4 RDIMM/LRDIMM			
	Memory Size: 16G, 32G, 64G, 128G, 256G RDIMM/LRDIMM/3DS DIMM			
Expansion Slot	SKU - #1	SKU - #2	SKU - #3	SKU - #4
	(1) PCIe x8, OCP Mezz	(1) PCIe x8, OCP Mezz	(1) PCIe x8, OCP Mezz	(1) PCIe x8, OCP Mezz
	(1) PCIe x16, HHHL	(1) PCIe x8, HHHL	(1) PCIe x8, SAS Mezz	(1) PCIe x8, HBA&RAID (default)
	(1) PCIe x8, SAS Mezz	(1) PCIe x8, SAS Mezz	(1) PCIe x8, HHHL	(1) PCIe x8, SAS Mezz (default)
	(1) PCIe x16, HHHL	(1) PCIe x16, HHHL		(1) PCIe x16, HHHL
Network	LOM: Dedicated (1) GbE manage	ement port		
	(1) Dever hutter // ED. (1) To hutter // ED. (1) Certura / ED. (1) Deverthatter (2) // CD.2.0. (1) // CA			
Front I/O	(1) Power ballor (1) 1D ballor (1) Stalls LLD, (1) Reset ballor, (2) 056 5.0, (1) VGA			
Controller	Optional Controller.			
	Quanta LST® PCIe Gen4 3916 12Gb/s SASmezzanine (RAID 0.1.5.6.10.50.60)			
	(Please refer to the CQL for more options)			
Power Supply	2+2 high efficiency hot-plug 1600W/2000W PSU 80 Plus Platinum (200V-240V)			
Onboard Storage	(1) 2280 SATA/PCTeM 2	2000 100,00 has hadharr (2007	2100)	
Fan	(5) dual rotor fans (9+1 redundant)			
Video	Integrated ASPEED AST2500 8MB DDR4 video memory			
System	Redfish v1.8			
Management	IPMI v2.0 Compliant, on board "KVM over IP" support			
Rear I/O	(2) USB 3.0 ports, (1) VGA port, (1) MicroUSB port, (1) 1GbE R145management port, (1) ID LED, (1) MicroSD slot			
Operating Environment	Operating temperature: 5°C to 35°C			
	Non-operating temperature; -40°C to 70°C			
	Operating relative humidity: 20% to 85%RH Non-			
	operating relative humidity; 10% to 95%RH			
ТРМ	TPM 2.0 SPI module			
Weight (Max. Configuration)	37 (kg)			

## 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**



Western Digital. SAMSUNG

### Hyperscalers Australia Head Quaters

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