



## Apogean Intel Xeon Scalable 4th Gen Dual Socket Workstation ID4T-S4-T / ID8T-S4-T

### Key Features

- 2S Intel Sapphire Rapids CPU
- Tower (Optional - Convertible to 4U Rack Mount)
- (4/8) 3.5" SATA Drive Slots
- (16) DIMM slots w/ DDR5 4800 memory support
- (3) PCIe 5.0 x16 + (2) PCIe 5.0 x8 slots
- (1/2) NVMe M.2 2280 slot
- (2) 10GBase T LAN + (1) dedicate 1000 Base T IPMI ports
- AST2600 BMC with IPMI 2.0 & Redfish support



## Specifications

### Processor

Q'ty / Socket Type	(2) LGA4677
Supported CPU Series	4th Gen. Intel Xeon Scalable Processors
Thermal Design Power Wattage	Max up to 270W (TDP)

### Chipset

PCH	Intel C741
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### Memory

Supported DIMM Qty	(8)+(8) DIMM slots
DIMM Type / Speed	DDR5 4800 MHz (1DPC)
Capacity	Up to 2,048GB RDIMM DDR5 4800
Memory channel	8 Channels per CPU
Memory voltage	1.1V

### Expansion Slots

PCIe	(2) PCIe Gen.5 x8 slots / (3) PCIe Gen.5 x16 slots
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### LAN

Q'ty / Port	(2) 10GbE ports + (1) GbE dedicated for IPMI
Controller	Intel X710-AT2
PHY	Realtek RTL8211F

### Storage SATA

Drive Slots	(8) SATA Hot Swap Drive Slots
Controller	Intel C741
Speed	6Gb/s
RAID	RAID 0/1/10/5 (Intel RSTe)

### Storage NVMe

Connector (M.2)	(1) 2280 (by PCIe 4 interface) or (2) 2280 (by PCIe 4 interface)
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### Graphic VGA

Connector type	D-Sub 15-pin
Resolution	Up to 1920x1200
Chipset	A speed AST2600

### Input /Output

USB	(1) USB2.0 port ( Type-A ) / (1) USB3.1 Gen.1 ports / (1) USB3.1 Gen.1 header
COM	(1) DB-9 COM Connector
VGA	(1) D-Sub 15-pin port
RJ-45	(2) 10GbE ports + (1) GbE dedicated for IPMI
Front Panel	(1) 2x12-pin SSI front panel header
Power	(1) ATX 24-pin + (2) 8-pin + (1) 4-pin power connectors
PSMI	(1) 1x5-pin header
Others	(1) ID button

### TPM (Optional)

TPM Support	Please refer to our TPM supported list.
Interface	SPI

### System Monitoring

Chipset	A speed AST2600
Temperature	Monitors temperature for CPU, memory & system environment
Voltage	Monitors voltage for CPU, memory, chipset & power supply
LED	Over temperature warning indicator / Fan & PSU fail LED indicator

### Server Management

Onboard Chipset	Onboard Aspeed AST2600
AST2600 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
AST2600 IPMI Feature	IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface

### BIOS

Brand / ROM size	AMI / 32MB
Feature	Hardware Monitor / FAN speed control automatic / Boot from USB device/PXE via LAN/Storage / Console Redirection / SMBIOS 3.3/PnP/Wake on LAN / ACPI 6.2 / ACPI sleeping states S0,S1,S5

### Physical Dimension

Form Factor	4U Rack Mount with 800W, 1200W, 1600W or 2000W RPS
Board Dimension	12" x 13" (305 x 330mm)

### Regulation

ISO	Yes
Certification	Yes
BIS	Yes
QCI	Yes

### Operating Environment

Operating Temp.	10° C ~ 35° C (50° F ~ 95° F)
Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)
In/Non-operating Humidity	90%, non-condensing at 35° C