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Apogean Intel Xeon Scalable 4th / 5th Gen Single Socket Multi GPU Server / Workstation IS4T-S4-T / IS8T-S4-T

Key Features

- Single Socket 4th/5th Gen. Intel Xeon Scalable Processors
- (8) DIMM slots with DDR5-4800 memory support
- (4) PCIe 5.0 x16 + 1 PCIe 5.0 x4 slots
- (1) NVMe M.2 2280 slot (PCIe 3.0 x4)
- (1) 1000Base-T LAN + 1 dedicate 1000Base-T IPMI ports
- Power Supply 800, 1000, 1200, 1600, 2000, 2400W Single/Dual PSU
- (4/8) 3.5" SATA drive slots

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Specifications

Processor

Qty / Socket Type	(1) LGA4677
Supported CPU Series	4th Gen. Intel Xeon Scalable Processors / 5th Gen. Intel Xeon Scalable Processors
Thermal Desig Power Wattage	Max up to 350W (TDP)

Chipset

PCH	Intel C741
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Memory

Supported DIMM Qty	(8) DIMM slots
DIMM Type / Speed	DDR5 4800 MHz (1DPC) / 4400MHz (2DPC) - 4th Gen. / DDR5 5600 MHz (1DPC) / 4400MHz (2DPC) - 5th Gen.
Capacity	Up to 1,024GB RDIMM/2,048GB 3DS RDIMM 5600/4800/4400 memory
Memory channel	8 Channels per CPU
Memory voltage	1.1V

Expansion Slots

PCIe	(1) PCIe Gen.5 x4 slot / (4) PCIe Gen.5 x16 slots
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LAN

Qty / Port	(1) GbE port + (1) GbE dedicated for IPMI
Controller	Intel I210
PHY	Realtek RTL8211F

Storage SATA

Connector	(4/8) 3.5"/2.5" SATA 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.3 interface)
Connector (U.2)	(1) MCIO x8

Storage (Optional)

VROC Support	Yes
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Graphic VGA

Connector type	D-Sub 15-pin
Resolution	Up to 1920x1200 @60Hz
Chipset	Aspeed AST2600

Audio

Chipset	Realtek ALC888S
Feature	2.1 ch

TPM (Optional)

TPM Support	Yes
Interface	SPI

Input /Output

USB	(1) USB2.0 port (Type-A) / (2) USB2.0 ports (@ rear) / (2) USB3.2 Gen.1 ports
COM	(1) DB-9 COM Connector (@ rear)
VGA	(1) D-Sub 15-pin VGA port (@ rear)
RJ-45	(1) GbE port + (1) GbE dedicated for Front Panel
Front Panel	IPMI(1) 2x12-pin SSI front panel header
Audio	(1) 2x5-pin header / (1) 3 holes Audio Jack connector
SATA	(6) SATA-III connectors
Power	(1) ATX 24-pin + (2) 8-pin + (1) 4-pin power connectors
Others	(1) UID button

System Monitoring

Chipset	Aspeed AST2600
Fan	Total (6) 4-pin headers
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
Others	Watchdog timer support

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 / Boot from USB device/PXE via LAN/Storage / User Configurable FAN PWM Duty Cycle / SMBIOS 3.3/PnP/Wake on LAN / ACPI sleeping states S0, S5

Physical Dimension

Form Factor	Tower Convertible to 4U Rackmount
Board Dimension	12" x 10.5" (305 x 267mm)

Regulation

BIS	Yes
QCI	Yes
ISO	9001, 14001, 27001

Operating Environment

Operating Temp	0° C ~ 40° C (32° F ~ 104° F)
Non-operating Temp	- 40° C ~ 70° C (-40° F ~ 158° F)
In/Non-operating Humidity	90%, non-condensing at 35° C