APOGEAN SERVER/ WORKSTATION
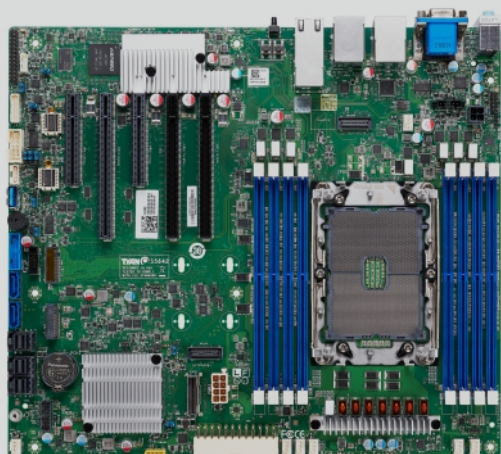
IS4T-S3-T
IS8T-S3-T

Apogean Single Socket Intel Xeon Scalable 3rd Gen Processor Tower Server / Workstation

Features

• Tower Form Factor / Tower Convertible to Rackmount

• 8 DIMM slots w/ DDR4-3200 memory support

• 4/8 x 3.5" SATA 6Gb/s Drive Slots

• 3 PCIe Gen.4 x16 + 2 PCIe Gen.4 x8 slots

• 1 PCIe x8 SlimSAS connector (NVMe)

• 2 NVMe 22110 / 2280 M.2 slots

• 1 1000Base-T + 1 dedicate 1000Base-T IPMI ports

• AST2500 BMC with IPMI 2.0 & Redfish support

Choose from our wide range of server offerings
get in touch with our server experts
sales@apical.in | www.apical.in | www.apogean.in

Specifications

Processor
Q'ty / Socket Type	**(1) LGA4189**
Supported CPU Series	**3rd Gen Intel Xeon Scalable Processor**
Thermal Design Power	
Wattage	**Max up to 270W (TDP)**
System Bus	Up to 11.2/10.4 GT/s with Intel UltraPath Interconnect (UPI) support

Chipset
PCH	**Intel C621A**

Memory
Supported DIMM Qty	(8) DIMM slots
DIMM Type / Speed	**DDR4 ECC RDIMM /LRDIMM 3200**
Capacity	**Up to 1,024GB RDIMM/ 2,048GB LRDIMM/ 2,048GB RDIMM 3DS/LRDIMM 3DS**
Memory channel	8 Channels per CPU
Memory voltage	1.2V

Expansion Slots
PCIe	**(1) PCIe Gen.4 x8 slot (#4 w/x4 link) / (1) PCe Gen.4 x8 slot (#2 via MUX) / (1) PCIe Gen.4 x16 slot (#3 w/x8 link) / (2) PCIe Gen.4 x16 slots (#5,#6)**

LAN
Q'ty / Port	**(1) GbE port + (1) GbE dedicated for IPMI**
Controller	Intel I210
PHY	Realtek RTL8211E

Storage SATA
Drive Slots	**(4 or 8) 3.5" SATA 6Gb/s Drive Slots**
Controller	**Intel C621A**
Speed	6Gb/s
RAID	RAID 0/1/10/5 (Intel RSTe)

Storage sSATA
Connector	**(1) Mini-SAS (4-ports) / (2) 7-pin SATA for (2) SATA ports**
Controller	**Intel C621A**
Speed	6Gb/s
RAID	RAID 0/1/10/5 (Intel RSTe)

Storage NVMe
Connector (M.2)	(2) 22110/2280 (by PCIe Gen.3 interface)
Connector (U.2)	(1) SFF-8654 for (2) NVMe ports

Storage (Optional)
VROC Support	Yes

Graphic VGA
Connector type	**D-Sub 15-pin**
Resolution	**Up to 1920x1200**
Chipset	**Aspeed AST2500**

System Monitoring
Chipset	Aspeed AST2500
Fan	Total (5) 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

Input /Output
USB	**(2) USB2.0 ports (@ rear) / (2) USB3.0 ports (@ rear) / (2) USB3.0 ports (via cable)**
COM	**(1) DB-9 COM Connector**
VGA	**(1) D-Sub 15-pin VGA port (@ rear)**
RJ-45	**(1) GbE ports + (1) GbE dedicated for IPMI**
Front Panel	(1) 2x12-pin SSI front panel header
Audio	(1) 2x5-pin header / (1) 3 holes Audio Jack connector
SATA	**(14) SATA-III ports from AHCI**
Power	8-pin power connectors
Others	(1) UID button

Audio
Chipset	Realtek ALC888S
Feature	2.1 ch

Server Management
Onboard Chipset	Onboard Aspeed AST2500
AST2500 iKVM Feature	24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub
AST2500 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 / Console Redirection / User Configurable FAN PWM Duty Cycle / SMBIOS 3.3/PnP/Wake on LAN / ACPI 6.2 / ACPI sleeping states S5**

Physical Dimension
Form Factor	Tower / Tower convertible to Rackmount

Power Supply
Board Dimension	12" x 10.5" (305 x 267mm)
Single	500W, 750W, 850W, 1000W, 1200W, 1400W, 1600W, 2000W
Redundant	500W RPS, 800W RPS, 1200W RPS

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

Operating System
OS supported list	Windows
	• **Windows Server 2022**
	• Windows Server 2019
	• Windows 11
	• Windows 10
	Linux
	• RHEL 8.4 x64
	• Ubuntu 20.04
	• CentOS 7.9 x86
	• CentOS 8.4 x64
	• SLES 15 Sp2

Certifications
BIS	BIS Certified
ISO	ISO 9001, 14001, 27001