

Apogean



Apogean Intel Xeon Scalable 4th Gen Dual Socket Server

**ID41U-S4-G / ID82U-S4-G / ID122U-S4-G /
ID163U-S4-G / ID244U-S4-G**

Key Features

- Dual 5th/4th Gen Intel® Xeon® Scalable Processors
- 8-Channel RDIMM DDR5, 16 x DIMMs
- Intel® C741 Chipset
- 2 x 1Gb/s LAN ports via Intel® I210-AT
- 3 x SlimSAS connectors for 12 x SATA 6Gb/s
- 2 x SATA 6Gb/s ports
- 2 x M.2 slots with PCIe Gen4 x4 interface
- 6 x PCIe Gen5 x16 expansion slots

Apogean

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

Specifications

Form Factor

- 4 x 3.5" Drive Slots - 1U Rack
- 8/12 x 3.5" Drive Slots - 2U Rack
- 16 x 3.5" Drives Slots - 3U Rack
- 24 x 3.5" Drives Slots - 4U Rack

Note : RAID Card is must for 12 and above drive slots SKUs.

CPU

- 5th Generation Intel® Xeon® Scalable Processors
- 4th Generation Intel® Xeon® Scalable Processors
- Dual processor, TDP up to 270W

Note: If only 1 CPU is installed, some PCIe or memory functions might be unavailable.

Socket

- 2 x LGA 4677 Socket E

Chipset

- Intel® C741

Memory

- 16x DIMM slots with DDR5 memory support
- 8-channel memory architecture
- Supports RDIMM up to 96GB and 3DS RDIMM up to 256GB
- Memory speeds up to 5600 MT/s (5th Gen Xeon) and 4800 MT/s (4th Gen Xeon)

LAN

- 2 x 1Gb/s LAN ports (Intel® I210-AT) Support NCSI function
- 1 x 10/100/1000 Mbps Management LAN

Video

- Integrated in Aspeed® AST2600
- 2D Video Graphic Adapter
- PCIe bus interface
- Up to 1920x1200 @ 60Hz, 32bpp

Storage Interface PCH:

- 3 x SlimSAS connectors for 12 x SATA 6Gb/s
- 2 x SATA 6Gb/s ports

RAID

- Intel® SATA RAID 0/1/10/5

Expansion Slots

- Slot_6: PCIe x16 (Gen5 x16) slot, from CPU_0
- Slot_5: PCIe x16 (Gen5 x16) slot, from CPU_1
- Slot_4: PCIe x16 (Gen5 x16) slot, from CPU_1
- Slot_3: PCIe x16 (Gen5 x16) slot, from CPU_0
- Slot_2: PCIe x16 (Gen5 x16) slot, from CPU_0
- Slot_1: PCIe x16 (Gen5 x16) slot, from CPU_1

2 x M.2 slots:

- M-key
- PCIe Gen4 x4, from CPU_0
- Support 2280/22110 cards

Internal I/O

- 1 x 24-pin ATX main power connector
- 2 x 8-pin ATX 12V power connectors
- 2 x 6-pin ATX 12V power connectors
- 2 x CPU fan headers
- 4 x System fan headers
- 1 x USB 3.2 Gen1 header
- 2 x M.2 slots
- 3 x SlimSAS connectors
- 2 x SATA connectors
- 1 x VROC connector
- 1 x Front panel header
- 1 x Backplane board header
- 1 x TPM header

Rear I/O

- 2 x USB 3.2 Gen1
- 1 x VGA
- 1 x RJ45 serial port
- 2 x RJ45
- 1 x MLAN
- 1 x ID button with LED

TPM

- 1 x TPM header with SPI interface
- Optional TPM2.0 kit: CTM010

Board Management

- Aspeed® AST2600 management controller
- Management Console (AMI MegaRAC SP-X) web interface

Dashboard	Advanced power capping
HTML5 KVM	LDAP / AD / RADIUS Support
Power Control	Backup & Restore Configuration
Sensor Reading History Data	Remote BIOS/BMC/CPLD Update
FRU Information	Event Log Filter
SEL Log in Linear Storage / Circular Storage Policy	User Management
Hardware Inventory	Media Redirection Settings
Fan Profile	PAM Order Settings
System Firewall	SSL Settings
Power Consumption	SMTP Settings
Sensor Monitor (Voltage, RPM, Temperature, CPU Status...etc.)	

Power Supply

- Single / Redundant : 500W, 800W, 1200W, 1600W, 2000W

Operating Properties

- Operating temperature: 10°C to 40°C
- Operating humidity: 8-80% (non-condensing)
- Non-operating temperature: - 40°C to 60°C
- Non-operating humidity: 20%- 95% (non-condensing)