

Apogean Intel Xeon Scalable 4th/5th Gen Dual Socket Server

ID41U-S4-G / ID82U-S4-G / ID122U-S4-G /
ID163U-S4-G / ID244U-S4-G/ ID364U-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

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Specifications:

• Form Factor

F4 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 CPU fan headers
3 x SlimSAS connectors	1 x Front panel header
2 x 8-pin ATX 12V power connectors	4 x System fan headers
2 x SATA connectors	1 x Backplane board header
2 x 6-pin ATX 12V power connectors	1 x USB 3.2 Gen1 header
1 x VROC connector	1 x TPM header
2 x M.2 slots	

• Rear I/O

2 x USB 3.2 Gen1	2 x RJ45
1 x VGA	1 x MLAN
1 x RJ45 serial port	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 /	User Management
Circular Storage Policy	
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)