

Apogean Rack Server with Dual Intel® Xeon® 6700/6500-Series Processors

ID122U-X6-4GGB



Key Features

- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs
- 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 bays
- 1 x M.2 slot with PCIe Gen5 x4
- 4 x FHFL PCIe x16 slots with Gen5 x16 lanes
- Supports up to 4 x dual-slot Gen5 GPUs
- 1 x FHHL PCIe x16 slot with Gen5 x16 lanes
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot
- Dual 2700 W 80 PLUS Titanium redundant power supplies

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Specifications:

• Dimensions (WxHxD, mm)

2U Rackmount
438 x 87.5 x 815

• CPU

Intel® Xeon® 6 Processors

- Intel® Xeon® 6700-Series Processors
- Intel® Xeon® 6500-Series Processors

Dual processors, TDP up to 350W

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

• Socket

2 x LGA 4710
Socket E2

• Chipset

System on Chip

• Memory

32 x DIMM slots

Support DDR5 RDIMM/MRDIMM [1]

8-Channel memory per processor

RDIMM: Up to 6400 MT/s (1DPC), 6000 MT/s (2DPC)

MRDIMM: Up to 8000 MT/s

[1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.

• LAN

Top:

1 x 10/100/1000 Mb/s Management LAN

• Video

Integrated in ASPEED® AST2600

- 1 x Mini-DP

• PCIe Expansion Slots

2 x FHFL x16 (Gen5 x16), from CPU_1, for GPUs

2 x FHFL x16 (Gen5 x16), from CPU_0

1 x FHHL x16 (Gen5 x16), from CPU_1

1 x OCP NIC 3.0 (Gen5 x16), from CPU_0

- Supports NCSI function

• Storage

Bottom:

12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 [1]

- (6 x NVMe from CPU_0, 6 x NVMe from CPU_1)

Internal M.2:

1 x M.2 (2280/22110), PCIe Gen5 x4, from CPU_0

[1] Storage card is required to support SATA and SAS drives.

• Top I/O

2 x USB 3.2 Gen1 ports (Type-A)

1 x Mini-DP

1 x MLAN port

1 x ID LED

• Security Modules

1 x TPM header with SPI interface

- Optional TPM2.0 kit: CTM010

• Power Supply

Dual 2700 W 80 PLUS Titanium redundant power supplies [1]

AC Input:

- 100-127V~/12A, 50-60Hz

- 200-240V~/16A, 50-60Hz

DC Input: (Only for China)

- 240Vdc/16A

DC Output:

- Max 1008W/100-127V~

+12V/ 84A

+12Vsb/ 3A

- Max 2700W/ 200-240V~ or 240Vdc Input

+12V/ 225A

+12Vsb/ 3A

[1] The system power supply requires C19 power cord.

• Operating Properties

Operating temperature: 10°C to 35°C

Operating humidity: 8%-80% (non-condensing)

Non-operating temperature: -40°C to 60°C

Non-operating humidity: 20%-95% (non-condensing)