

# Apogean Intel Xeon E-2400 Series Single Socket Server

IS41U-E4-A / IS82U-E4-A / IS122U-E4-A /  
IS163U-E4-A / IS244U-E4-A / IS364U-E4-A



## Key Features

- Supports Intel® Xeon® 6300-series, Xeon® E-2400 series, and Pentium® Gold G7400/G7400T processors
- 4 DIMM slots (2DPC), supports DDR5 ECC UDIMM
- 1 PCIe5.0 x16, 1 PCIe5.0 x8, 2 PCIe4.0 x4
- 4 RJ45 (1GbE) by Intel® i210
- 2 M.2 (PCIe4.0 x4)
- Remote Management (IPMI)

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### Specifications:

#### • Physical Status

Form Factor Rackmount 1U/2U/3U/4U  
(As per the Drive Slots)

#### • Processor System

CPU Supports Intel Xeon 6300-series, Xeon E-2400 series & Pentium Gold G7400/G7400T processors  
Socket Single Socket V1 (LGA 1700)  
Thermal Design Power 95W  
Chipset Intel® C266

#### • Memory

Supported DIMM Qty 4 DIMM slots (2DPC)  
Supported Type Supports DDR5 288-pin ECC UDIMM  
Max. Capacity per DIMM 32 GB  
Max. DIMM Frequency 4400MT/s (2DPC - 1DIMM)4000MT/s (2DPC - 2DIMM 1R)3600MT/s (2DPC - 2DIMM 2R)  
Memory voltage 1.1V

#### • PCIe Expansion Slots (SLOT7 close to CPU)

PCIe x16 SLOT8: PCIe5.0 x16\* [CPU]  
SLOT8 shares lanes with SLOT4.  
SLOT8 will switch to x 8 when SLOT4 is populated  
PCIe x8 SLOT4: PCIe5.0 x8\* [CPU]  
PCIe x4 SLOT7: PCIe4.0 x4 [CPU]  
SLOT2: PCIe4.0 x4 [PCH]

#### • TPM

TPM support (1 (13-pin, SPI)

#### • Other PCIe Expansion Connectors

M.2 slot 1 M-key (PCIe4.0 x4); support 2280/2280/2242/2230 form factor [PCH]  
1 M-key (PCIe4.0 x4); support 2280/2280/2242/2230 form factor [PCH]

#### • SATA/SAS Storage

Drive Slots 4 × 3.5/2.5 Drive Slots 1U Rack  
8/12 × 3.5/2.5 Drive Slots 2U Rack  
16 × 3.5/2.5 Drive Slots 3U Rack  
24 × 3.5/2.5 Drive Slots 4U Rack  
36 × 3.5/2.5 Drive Slots 4U Rack  
**Note : RAID Card is must for 12 and above drive slots SKUs.**  
PCH Built-in Storage Intel® C266 (8 SATA 6Gb/s; RAID 0/1/5/10)

Additional SATA Controller ASMI1081 (8 SATA 6Gb/s)  
6 SATA 7-pin

#### • Ethernet

Additional GbE Controller 4 RJ45 (1GbE) by Intel® i210

#### • Server Management

BMC Controller ASPEED AST2600: iKVM, Media support  
IPMI Dedicated GLAN 1 RJ45 Dedicated IPMI LAN port by Realtek RTL8211F

#### • Graphics

Controller ASPEED AST2600: 1 DB15 (VGA)

#### • Rear I/O

UID Button/LED 1 UID button w/ LED  
VGA Port 1 DB15 (VGA)  
Serial Port 1 DB9 (COM)  
USB 3.2 Gen1 Port 2 Type A (USB3.2 Gen1)  
RJ45 4 RJ45 (1GbE), 1 dedicated IPMI

#### • LED Indicators

Standby PWR LED 1 (5VSB)  
80 Debug Port LED 1  
Fan Fail LED 7  
BMC Heartbeat LED 1

#### • System BIOS

BIOS Type AMI 256Mb SPI Flash ROM  
BIOS Features Plug and Play, ACPI 6.4 and above, compliance wake-up events, SMBIOS 2.8 and above, Instant Flash

#### • Hardware Monitor

Temperature CPU, Temp MB1~ MB4, M.2, TR1 Temperature sensing  
Fan CPU Quiet Fan (Allows Chassis Fan Speed Auto-Adjust by CPU Temperature), Fan Multi-Speed Control  
Voltage 3VSB, 5VSB, CPU\_VCORE, VCCIN, AUX\_VIN2, 1.05V\_PCH, 0V8258\_PCH, 1V8SB, VCCSA, BAT, 3V, 5V, 12V

#### • Power Supply

Form Factor 1U/2U/3U/4U Rackmount (As per the Drive Slots)  
Wattage Options Single/Dual - 500W, 800W, 1200W, 1600W, 2000W, 2400W

#### • Operating System

Microsoft Windows Server 2022 (64-bit)  
Server 2025 (64-bit)  
Linux Red Hat Enterprise Linux Server 8.5 (64-bit) / 9.2 (64-bit)  
SUSE Enterprise Linux Server 15 SP3 (64-bit) / 15 SP5 (64-bit)  
Ubuntu 21.04 (64-bit) / 22.04.2 (64-bit)

#### • Operating Environment

Temperature Operation temperature: 10°C ~ 35°C / Non-operation temperature: -40°C ~ 70°C  
Humidity Non-operation humidity: 20% ~ 90% (Non-condensing)