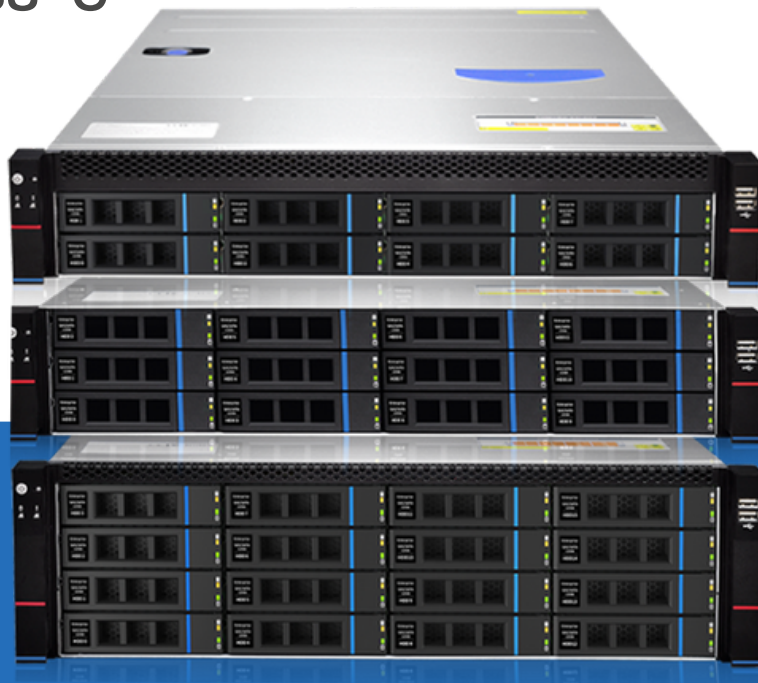


Apogean Server with Single Socket 3rd Gen Intel® Xeon® Scalable & Intel® Xeon® W-3300 Processors

IS41U-S3-G / IS82U-S3-G / IS122U-S3-G / IS242U-S3-G / IS163U-S3-G / IS244U-S3-G / IS364U-S3-G



Key Features

- Single 3rd Gen Intel® Xeon® Scalable Processors
- Single Intel® Xeon® W-3300 Processors
- 8-Channel DDR4 RDIMM/LRDIMM, 8 x DIMMs
- Supports Intel® Optane™ Persistent Memory 200 series
- Intel® C621A Chipset
- 2 x 1Gb/s LAN ports via Intel® I210-AT
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 7 x PCIe Gen4 x16 and x8 expansion slots

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Items pictured may only be representative.





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Specifications:

• CPU

3rd Generation Intel® Xeon® Scalable Processors
Intel® Xeon® W-3300 Processors
Single processor, TDP up to 270W

• Socket

1 x LGA 4710
Socket E2

• Chipset

Intel® C621A

• Memory

8 x DIMM slots
Support DDR4 RDIMM/LRDIMM
8-channel memory per processor
Memory speed: 3200/2933/2666 MT/s

• LAN

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

• Video

Integrated in ASPEED® AST2600
- 1 x VGA port

• Storage

Drive Bays & Form Factor

4 x 3.5/2.5" Drive Slots - 1U
8/12 x 3.5/2.5" Drive Slots - 2U
24 x 2.5" Drive Slots - 2U
16 x 3.5/2.5" Drives Slots - 3U
24 x 3.5/2.5" Drives Slots - 4U
36 x 3.5/2.5" Drives Slots - 4U
Note: Additional RAID/HBA Card is required for 12 and above drive slots SKUs.

M.2:

1 x M.2 (2280), PCIe Gen3 x4, from PCH

• RAID

Intel® SATA RAID 0/1/10/5
Onboard VROC key header

• Expansion Slots

Slot_7: PCIe x16 (Gen4 x16)
Slot_6: PCIe x16 (Gen4 x16 or x8), shared with Slot_5
Slot_5: PCIe x16 (Gen4 x8)
Slot_4: PCIe x16 (Gen4 x16 or x8), shared with Slot_3
Slot_3: PCIe x16 (Gen4 x8)
Slot_2: PCIe x16 (Gen4 x16 or x8), shared with Slot_1
Slot_1: PCIe x16 (Gen4 x8)

• Power Supply

Single / RPS - 500, 800, 1200, 1600, 2000, 2400, 2700W

• Rear I/O

4 x USB 3.0 ports (Type-A)
1 x VGA port
1 x Serial port
2 x RJ45 ports
1 x MLAN port
1 x ID button with LED

• Security Module

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

• Board Management

1 x PROT connector
ASPEED® AST2600 Baseboard Management Controller
Management Console web interface

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

• OS Compatibility

Windows Server 2016
Windows Server 2019
Windows Server 2022
Red Hat Enterprise Linux 7.9 or later
Red Hat Enterprise Linux 8.2 or later
Red Hat Enterprise Linux 9.0 or later
SUSE Linux Enterprise Server 12 SP5 or later
SUSE Linux Enterprise Server 15 SP2 or later
Ubuntu 20.04 LTS or later
Ubuntu 22.04 LTS or later
VMware ESXi 6.7 Update3 P03 or later
VMware ESXi 7.0 Update2 or later
VMware ESXi 8.0 or later
Citrix Hypervisor 8.2.0 or later

• Operating Properties

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