Apogean

Apogean Intel Xeon 4th Gen W-3400 & W-2400 Processors Single Socket High End Multi GPU Workstation

IS4T-W3-A

Key Features

- Supports 4th Gen Intel® Xeon® W-3400 and W-2400 Processors

- Supports DDR5 ECC, buffered memory up to 6800

- 4 Blazing M.2 (PCIe Gen5 x4), 1 U.2 mini SAS Connector (PCIe Gen4 x4), 2x3.5" + 2x2.5" SATA Drive Slots.

- 4 PCIe 5.0 x16, 1 PCIe 4.0 x16

- 2 Thunderbolt™ 4 Type-C, 2 USB 3.2 Gen2 (Rear), 4 USB 3.2 Gen1 (4 Rear),

- 7.1 CH HD Audio (Realtek ALC897 Audio Codec)

- Dual Marvell AQUANTIA® 10 GbE LAN

- Intel® i225LM 2.5 GbE LAN

- 802.11ax WiFi 6E + Bluetooth 5.3

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Specifications

CPU

Supports 4th Gen Intel® Xeon® W-3400 and W-2400 Processors (LGA4677)
Supports Intel® Boot Guard
Supports Intel® Trusted Execution Technology (Intel® TXT)
Supports Intel® Turbo Boost Technology
Supports Intel® Virtualization Technology (Intel® VT)
Supports Intel® Hyper-Threading Technology (Intel® HT Technology)
Supports Intel® Data Streaming Accelerator (Intel® DSA)
Supports CXL (Compute Express Link) 1.1
Supports Hyper BCLK Engine

Chipset

Intel® W790
Supports Intel® vPro Technology
Supports Intel® Active Management Technology

Memory

Quad Channel DDR5 Memory Technology
8 x DDR5 DIMM Slots
Max. capacity of system memory: 2TB

BIOS

256Mb AMI UEFI Legal BIOS with GUI support

Graphics

n/a

Audio

7.1 CH HD Audio (Realtek ALC897 Audio Codec)
Nahimic Audio

LAN

2 x 10 Gigabit LAN 100/1000/2500/5000/10000 Mb/s (Marvell (Aquantia) AQC113CS)

Support Wake-On-LAN

Support PXE

1 x 2.5 Gigabit LAN 10/100/1000/2500 Mb/s (Intel® I225LM)

Support Wake-On-LAN

Support PXE

Supports Intel® vPro Technology

Wireless LAN

802.11ax Wi-Fi 6E Module

Supports IEEE 802.11a/b/g/n/ac/ax

Supports Dual-Band 2x2 with extended 6GHz band support*

1 antenna to support 2 (Transmit) x 2 (Receive) diversity technology

Supports Bluetooth 5.3 + High speed class II

Supports MU-MIMO

Slots

CPU:

4 x PCIe 5.0 x16 Slots (PCIE1/PCIE3 at x16; PCIE2/PCIE5 at x8)*

Chipset

1 x PCIe 4.0 x16 Slot (PCIE4), supports x4 mode*
1 x Vertical M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module
15μ Gold Contact in VGA PCIe Slots

Storage

CPU:

1 x Blazing M.2 Socket (M2_1, Key M), supports type 2230/2242/2260/2280 PCIe Gen5x4 (128 Gb/s) mode*
2 x Blazing M.2 Sockets (M2_2 and M2_3, Key M), support type 2260/2280 PCIe Gen5x4 (128 Gb/s) mode*
1 x Blazing M.2 Socket (M2_4, Key M), supports type 2260/2280 PCIe Gen5x4 (128 Gb/s) mode*

Chipset:

(2/4) 3.5/2.5" x SATA3 6.0 Gb/s drive slots
1 x U.2 Connector, supports PCIe Gen4x4 (64 Gb/s) mode

RAID

Supports RAID 0, RAID 1, RAID 5 and RAID 10 for SATA storage devices
Supports RAID 0, RAID 1, RAID 5 and RAID 10 for M.2 NVMe storage devices

USB

2 x Thunderbolt™ 4 Type-C (Rear)
2 x USB 3.2 Gen2 Type-A (Rear)
4 x USB 3.2 Gen1 (4 Rear)

Connector

1 x Virtual RAID On CPU Header
1 x SPI TPM Header
1 x Chassis Intrusion and Speaker Header
1 x 24 pin ATX Power Connector (Hi-Density Power Connector)
2 x 8 pin 12V Power Connectors (Hi-Density Power Connector) (for Motherboard)
1 x Front Panel Audio Connector
2 x USB 2.0 Headers (Support 3 USB 2.0 ports)
2 x USB 3.2 Gen1 Headers (Support 4 USB 3.2 Gen1 ports)
1 x Front Panel Type C USB 3.2 Gen2x2 Header (20 Gb/s)
1 x Clear CMOS Button
1 x Dr. Debug with LED
1 x Power Button with LED
1 x Reset Button with LED

Rear Panel I/O

2 x Antenna Ports

1 x Optical SPDIF Out Port

2 x Thunderbolt™ 4 Type-C Ports*

2 x USB 3.2 Gen2 Type-A Ports (10 Gb/s)

4 x USB 3.2 Gen1 Ports

3 x RJ-45 LAN Ports

1 x BIOS Flashback Button

1 x Line Out Jack (Gold Audio Jack)

1 x Microphone Input Jack (Gold Audio Jack)

*Supports USB PD 3.0 up to 9V@3A (27W) / 5V@3A (15W) charging Software and UEFI

Form Factor

EATX Tower

Power Supply

750, 850, 950, 1000, 1200, 1600W (Gold & Platinum)

UEFI

Built in UEFI

Auto Driver Installer

Instant Flash

Easy RAID Installer

OS

Microsoft Windows® 10 64-bit / 11 64-bit

Linux*

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