

Apogean



Apogean Single Socket AMD Ryzen™ Threadripper™ PRO 7000WX Series Processors Workstation AS4T-RTP7-A

Key Features

- Supports AMD Ryzen™ Threadripper™ PRO 7000 Series Processors
- 2 8 x DDR5 DIMMs Supports Eight Channel ECC Registered memory, up to 7600+ (OC)
- 4 SATA Drive Slots,
1 Blazing M.2 (PCIe Gen5x4),
1 Hyper M.2 (PCIe Gen4x4),
- 7 PCIe 5.0 x16
- Realtek ALC1220 7.1 CH HD Audio, Nahimic Audio
- Intel® X710 dual 10G LAN,
1 Dedicated IPMI LAN
- 2 USB4 Type-C (Rear)
4 USB 3.2 Gen2 Type-A(Rear)
4 USB 3.2 Gen1 (2 Rear, 2 Front)

Apogean

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Specifications

CPU

Supports AMD Ryzen™ Threadripper™ PRO Processors
Supports AMD Socket sTR5
Supports Hyper BCLK Engine

Chipset

AMD WRX90

Memory

Eight Channel DDR5 Memory Technology
8 x DDR5 DIMM Slots*
Supports DDR5 ECC, buffered memory
(RDIMM/ RDIMM-3DS) up to 7600+(OC)
Max. capacity of system memory: 2TB

***S3 (Sleep) mode is supported only when 1 / 2 / 4 DIMMs memory modules are installed.**

BIOS

256Mb AMI UEFI Legal BIOS with GUI support

Graphics

Aspeed AST2600 BMC Controller
1 x DisplayPort 1.1a with max. resolution up to 1920x1200 @ 60Hz*

***DisplayPort 1.1a does not support audio function.**

Audio

7.1 CH HD Audio with Content Protection (Realtek ALC1220 Audio Codec)
Impedance Sensing on Rear Out port
Individual PCB Layers for R/L Audio Channel
Nahimic Audio

LAN

2 x 10 Gigabit LAN 100/1000/2500/5000/10000 Mb/s (Intel® X710-AT2)
Support PXE
1 x Dedicated IPMI (Realtek RTL8211F)

Slots

CPU:

7 x PCIe 5.0 x16 Slots (PCIe1/PCIe2/PCIe3/PCIe4/PCIe5/PCIe7 at x16; PCIe6 at x8)*

15µ Gold Contact in VGA PCIe Slots

***Supports NVMe SSD as boot disks**

Storage

CPU:

1 x Blazing M.2 Socket (M2_1, Key M), supports type 2260/2280/22110 PCIe Gen5x4 (128 Gb/s) mode*

2 x MCIO Connectors (PCIe Gen5x4 or 4 x SATA3 6.0 Gb/s)

1 x SlimSAS SFF-8654 Connector (SLIM1)
(PCIe Gen4x4 or 4 x SATA3 6.0 Gb/s)

Chipset:

1 x Hyper M.2 Socket (M2_2, Key M), supports type 2260/2280 PCIe Gen4x4 (64 Gb/s) mode*

1 x SlimSAS SFF-8654 Connector (SLIM2) (PCIe Gen4x4)

4 x SATA3 6.0 Gb/s drive slots

***Supports NVMe SSD as boot disks**

RAID

Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices

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

***Requires additional M.2 NVMe expansion cards to support RAID 10**

USB

CPU:

2 x USB4 Type-C (Rear)

4 x USB 3.2 Gen2 Type-A (Rear)

Chipset:

1 x USB 3.2 Gen2x2 Type-C (Front)

4 x USB 3.2 Gen1 Type-A (2 Rear, 2 Front)

***All USB ports support ESD Protection**

Rear Panel I/O

1 x DisplayPort 1.1a

1 x Optical SPDIF Out Port

2 x USB4 Type-C Ports (40 Gb/s)*

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

2 x USB 3.2 Gen1 Type-A Ports

2 x RJ-45 LAN Ports

1 x RJ45 Dedicated IPMI LAN Port

1 x Line Out Jack (Gold Audio Jack)

1 x Microphone Input Jack (Gold Audio Jack)

***USB_TC1 supports USB PD 3.0 up to 9V@3A (27W) / 5V@3A (15W) charging; USB_TC2 supports USB PD 3.0 up to 5V@3A (15W) charging.**

Software and UEFI

Software

Polychrome SYNC* UEFI

Full HD UEFI

Auto Driver Installer

Instant Flash

Form Factor

Tower

Power Supply

Single 500W, 550W, 600W, 650W, 750W, 850W, 950W, 1000W, 1200W, 1500W.

Operating System

Microsoft Windows® 10 64-bit / 11 64-bit, Ubuntu.

Certifications

BIS, QCI, ISO 9001, 14001, 27001