

# AIGE-9006-AMD

Workstation for training, rendering,  
simulation and 3D modeling



## Main Features

- AMD Ryzen™ Threadripper™ PRO 5000WX/3000WX Series Processor, up to 64 Cores
- 8 DIMMs; up to 2TB Registered ECC DDR4 3200-MHz Memory
- 6 PCI-E 4.0 x16 slots
  - M.2 Interface: 4 PCI-E 4.0 x4, RAID 0, 1, 5 & 10
  - M.2 Form Factor: 2280, 22110
  - M.2 Key: M-Key
  - U.2 Interface: 2 U.2 sockets (Software RAID 0, 1)
- 1x 10GBase-T LAN port, 1x 1GbE LAN port (shared with IPMI)
- 4 fixed internal 3.5"/2.5" SATA drive bays, 2 fixed front 2.5" SATA drive bays, 4 M.2
- 1 VGA port (dedicated for IPMI)
- 7.1 HD Audio
- 2000W Platinum Level Power Supply

## Product Overview

Advanced performance, server-grade reliability, and highly customizable make AS-5014A-TT the ideal high-end desktop system for gaming and business environments. Featuring a wide array of high-speed I/Os, an AMD Ryzen™ Threadripper™ PRO 3000WX or 5000WX series processor, and supporting ultra-fast NVMe M.2 SSD drive, the AS-5014A-TT is the perfect choice for content creation and digital entertainment.

## Specifications

### Product SKUs

- SuperWorkstation AS-5014A-TT (Black)

### Motherboard

- Super M12SWA-TF

### Processor

- Single AMD Ryzen™ Threadripper™ PRO 5000WX/3000WX Series processor
- Socket sWRX8/SP3
- Supports CPU TOP up to 280W
- Up to 64 Cores

### System Memory

- Memory Capacity 8 DIMM slots
- Supports up to 2TB Registered ECC DDR4 3200-MHz SDRAM 8-channel memory bus

### On-Board Devices

- Chipset: AMD WRX80
- SATA: SATA3 (6Gbps); RAID 0, 1, 5, 10
- Network Controllers:
  - 10G LAN: Single LAN via Marvel AQC113C 10G Ethernet Controller
  - 1GbE LAN: Single LAN with Intel® i210AT Ethernet Controller (shared with IPMI)
- Audio: 7.1 channel HD Audio by Realtek LC4050H + ALC1220

### Input/Output

- SATA: 4 SATA3 (6Gbps) ports
- LAN:
  - 1 RJ45 10GBase-T Ethernet LAN port
  - 1 RJ45 GbE Ethernet LAN port (shared with IPMI)
- USB:
  - 1 USB 3.2 Gen2x2 port (Type C, 20Gbps)

- 5 USB 3.2 Gen2 ports (4 Type A, 1 front Intel Type C header, 10Gbps)
- 5 USB 3.2 Gen1 ports (3 Type A, 1 via header)
- 2 USB 2.0 via header

### Video

- 1 VGA port (dedicated for IPMI)

### Audio

- 7.1 HD Audio with optical S/PDIF

### Serial Port/Header

- 1 COM port (rear)

### TPM

- 1 TPM 2.0 Header

### System BIOS

- BIOS Type: 256Mb SPI Flash with AMI BIOS

### Software

- Intel® Node Manager
- IPMI 2.0
- SSM
- SPM
- SUM
- SuperDoctor® 5
- Watchdog

### PC Health Monitoring

- CPU:
  - Monitors for CPU Cores, Chipset Voltages, Memory.
  - 4+ 1 Phase-switching voltage regulator
- FAN
  - Fans with tachometer monitoring
  - Status monitor for speed control
  - Pulse Width Modulated (PWM) fan connectors
- Temperature

## I/O Connectors



- Monitoring for CPU and chassis environment
- Thermal Control for fan connectors

### Chassis

- ♦ Form Factor
  - Full Tower
  - Optional Rackmount Kit (6U)
- ♦ Model: CSE-GS7A-2000B

### Dimensions and Weight

- ♦ Height: 21.06" (535mm)
- ♦ Width: 8.74" (222mm)
- ♦ Depth: 22.56" (573mm)

### Front Panel

- ♦ Buttons
  - Power On/Off button
  - LED On/Off button
- ♦ LEDs
  - Power LED
- ♦ Ports
  - 1 headphone jack
  - 1 audio jack
  - 1 USB 3.2 Port (Type C)
  - 2 USB 3.2 Ports (Type A)
  - 2 USB 2.0 Ports

### Expansion Slots

- ♦ PCI-Express: 6 PCI-E 4.0 x16 slots
- ♦ M.2
  - M.2 Interface: 4 PCI-E 4.0 x4
  - Form Factor: 2280, 22110
  - Key: M-Key
- ♦ U.2
  - Interface: 2 U.2 Sockets
  - Software RAID 0,1 support

### Drive Bays

- ♦ Fixed
  - 4 internal fixed 3.5"/2.5" SATA3 drive bays
  - 2 front fixed 2.5" SATA3 drive bays

- ♦ Peripheral Bay(s)
  - 2x 5.25" drive bays

### System Cooling

- ♦ Water Cooling
  - Optional high-performance closed-loop water cooling for CPU
- ♦ Fans
  - 1x 12cm rear exhaust fan
  - 2x 12cm front cooling fans
  - 3x 12cm top cooling fans (optional)

### Power Supply

- ♦ 2000W PS/2 Multi-Output Power Supply
- ♦ Total Output Power and Input
  - 1200W with Input 100 ~ 115Vac
  - 1500W with Input 115 ~ 200Vac
  - 2000W with Input 200 ~ 264Vac
- ♦ AC Input Frequency: 50 ~ 60Hz

### Dimensions

- ♦ 150 (W) x 86 (H) x 200 (L) mm

### Certification

- ♦ 80 PLUS Platinum Certified

### Environment

- ♦ RoHS Compliant
- ♦ Operating Temperature: 10°C to 35°C (50°F ~ 95°F)
- ♦ Non-operating Temperature: -40°C to 60°C (-40°F ~ 140°F)
- ♦ Operating Relative Humidity: 8% to 90% (non-condensing)
- ♦ Non-operating Relative Humidity: 5% to 95% (non-condensing)

## Ordering Information

- ♦ **AIGE-9006-AMD (P/N: 86-SYS-SPMR-1)**  
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\* Note: This is an assembled product. The delivery content requires the purchase of additional CPU, Memory, hard drives, operating systems, and power cords. Please provide the required specifications to our sales for professional assistance.