A+ SuperWorkstation 5014A-TT (Complete System Only)

Integrated Board

M12SWA-TF

Views: | Angled View | Side View |
| Front View | Rear View |

Complete System Only: To maintain quality and integrity, this product is sold only as a completely-assembled system (with minimum CPU, 2 DIMMs, and 1 HDS/HDD).

Drivers & Utilities   BIOS   IPMI   Tested Memory   Tested M.2 List

NVMe Options   Manuals   OS Certification Matrix   Compatible GPU List

Drive Options

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications

Key Applications

- Media and Entertainment Content Creation
- Product Design and Engineering Simulation
- AI and Deep Learning

Key Features

1. AMD Ryzen™ Threadripper™ PRO 5000WX/3000WX Series Processor, up to 64 Cores

2. 8 DIMMs; up to 2TB Registered ECC DDR4 3200-MHz Memory

3. 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)

4. 1x 10GBase-T LAN port, 1x 1GbE LAN port (shared with IPMI)

5. 4 fixed internal 3.5"/2.5" SATA drive bays, 2 fixed front 2.5" SATA drive bays, 4 M.2

6. 1 VGA port (dedicated for IPMI)

7. 7.1 HD Audio

8. 2000W Platinum Level Power Supply

Product SKUs

SuperWorkstation
AS -5014A-TT (**Black**)

Motherboard

Super M12SWA-TF

Processor/Cache

CPU
Single AMD Ryzen™ Threadripper™ PRO 5000WX/3000WX Series processor
Socket sWRX8/SP3
Supports CPU TDP up to 280W
Cores
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 Enternet 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

Management

Software
Intel® Node Manager

IPMI 2.0

SSM, SPM, SUM

SuperDoctor® 5

Watchdog

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
(W x H x L)**
150 x 86 x 200 mm

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

Monitoring for CPU and chassis environment

Thermal Control for fan connectors

+5V

Max: 25A / Min: 0.1A

+12V

Max: 100A / Min: 0.1A (100-115Vac)

Max: 125A / Min: 0.1A (115-120Vac)

Max: 166.6A / Min: 0.1A (200-264Vac)

+3.3V

Max: 25A / Min: 0A

5VSB

Max: 4A / Min: 0A

-12V

Max: 0.5A / Min: 0A

Output Type

24pin ATX

Certification

Platinum Certified

Operating Environment

RoHS

RoHS Compliant

Environmental Spec.

Operating Temperature:
10°C ~ 35°C (50°F ~ 95°F)

Non-operating Temperature:
-40°C to 60°C (-40°F to 140°F)

Operating Relative Humidity:
8% to 90% (non-condensing)

Non-operating Relative Humidity:
5% to 95% (non-condensing)

Parts List