

UP Workstation A+ Server AS -5014A-TT

UP full-tower workstation for AI, design, simulation and media



Key Applications

2D/3D Content Creation, VR Content Development, AI Inference / Training, 3D Rendering, Product Design and Engineering Simulation,

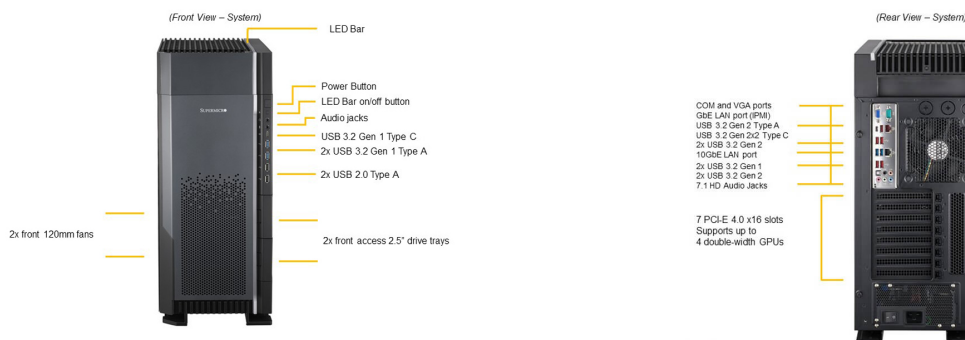
Key Features

- 2000W Platinum Power Supply;
- AMD Ryzen™ Threadripper™ PRO 5000WX/3000WX Series Processor, up to 64 Cores;
- 8 DIMMs; up to 2TB Registered ECC DDR4 3200-MHz Memory;
- 6 PCIe 4.0 x16 slots
 - 4 M.2 slots: PCIe 4.0 x4 (Software RAID 0, 1, 5 & 10)
 - 2 U.2 Interface: PCIe 4.0x 4 (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;



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| Form Factor | 5U (Full Tower) Rackmount Enclosure: 222 x 535 x 573mm (8.74" x 21.06" x 22.56") Package: 372 x 708 x 724mm (14.6" x 27.8" x 28.5") |
| Processor | Single processor(s) AMD Ryzen™ Threadripper™ PRO 3000/5000 WX-Series Up to 64C/128T; Up to 256MB Cache |
| GPU | Max GPU Count: Up to 1 quad-width or 2 triple-width or 4 double-width or 4 single-width GPU(s) Supported GPU: NVIDIA PCIe: RTX A6000, RTX A5000, RTX A4500, RTX A4000, RTX A2000, RTX 6000 ADA, RTX 4090, RTX 4080, RTX 3090 AMD PCIe: Radeon Pro W7500, Radeon Pro W7800, Radeon Pro W6800 |
| System Memory | Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM |
| Drive Bays Configuration | Default: Total 6 bay(s) <ul style="list-style-type: none"> • 2 front fixed 2.5" SATA* drive bay(s) • 4 internal fixed 3.5" SATA* drive bay(s) (*SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 4 M.2 PCIe 4.0 x4 NVMe slot(s) (M-key 22110(default)/2280) Peripheral Bays: 2 5.25" bay(s) |
| Expansion Slots | PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> • 6 PCIe 4.0 x16 (in x16) FHFL slot(s) M.2: 4 M.2 PCIe 4.0 x4 NVMe slot(s) (M-key 22110(default)/2280) |
| On-Board Devices | Chipset: AMD SP3 SATA Network Connectivity: 1 RJ45 10GbE with Marvell® AQC113C 1 RJ45 1GbE with Intel® I210-AT |
| Input / Output | LAN: 1 RJ45 1 GbE LAN port(s) (Intel® I210-AT) (IPMI shared on LAN port 1) 1 RJ45 10 GbE LAN port(s) USB: 2 USB 3.2 Gen1 Type-A port(s) (rear) 2 USB 3.2 Gen1 Type-A port(s) (front) 1 USB 3.2 Gen2 Type-C port(s) (Rear) 5 USB 3.2 Gen2 Type-A port(s) (Rear) |

2 USB 3.2 Gen2 Type-A port(s) (Front)
1 USB 3.2 Gen2 Type-C port(s) (Front)
Video: 1 VGA port(s)
Serial: 1 COM port(s) (Rear)
Audio: 7.1 HD Audio
TPM: 1 TPM header



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| System Cooling | Fans: 1 Rear Exhaust Fan 120mm Fan(s) 2 Front Intake 120mm Fan(s) Liquid Cooling: Direct to Chip (D2C) Cold Plate (optional) |
| Power Supply | 2000W Platinum Level power supply |
| System BIOS | BIOS Type: AMI 256MB SPI Flash |
| Management | SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline |
| PC Health Monitoring | FAN: Status monitor for speed control Voltage: Monitors CPU Core Voltages, +3.3V, +12V, +3.3Vstb, +5Vstb, Vcore, Vmem Temperature: Monitoring for CPU and chassis environment; CPU Thermal Trip Support; I ² C Temperature Sensing Logic |
| Dimensions and Weight | Weight: Gross Weight: 39 lbs (17.74 kg) Net Weight: 20 lbs (14.9 kg) Available Color: Black |
| Operating Environment | RoHS Compliant 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) |
| Motherboard | Super M12SWA-TF |
| Chassis | CSE-GS7A-2000B |