WIO A+ Server AS -2114S-WN24RT
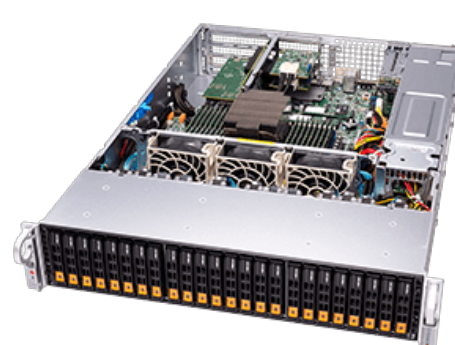
2U WIO with 24 hot-swap NVMe bays and dual 10GbE

Key Applications

Virtualization, Cloud Computing, All Flash Storage, Hyperconverged Storage,

Key Features

- Single AMD EPYC™ 7003/7002 Series Processor
  (The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™
  Technology requires BIOS version 2.3 or newer);
- Up to 4TB Registered ECC DDR4 3200MHz SDRAM in 16 DIMMs;
- Up to 2 PCIe 4.0 x16 FH/HL slots
  24 NVMe configuration (Standard) – 1 slot available
  20 NVMe configuration – 2 slots available;

Form Factor	2U Rackmount Enclosure: 437 x 89 x 648mm (17.2" x 3.5" x 25.5") Package: 679 x 296 x 876mm (26.7" x 11.4" x 34.5")
Processor	Single Socket SP3 AMD EPYC™ 7002/7003 Series Processors
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 24 bays • 24 front hot-swap 2.5" NVMe drive bays
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 2 PCIe 4.0 x16 FHHL slots M.2: 2 M.2 PCIe 4.0 x2 slots (M-key 2280/22110)
On-Board Devices	Chipset: AMD System on Chip Network Connectivity: 2 RJ45 10GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GBASE-T LAN ports USB: 5 USB 3.0 Type-A ports(Rear) Video: 1 VGA port DOM: 2 SATA DOM (Disk on Module) ports TPM: 3 TPM header

System Cooling	Fans: 3 heavy duty fans with optimal fan speed control
Power Supply	2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies

System BIOS	BIOS Type: AMI 256MB SPI Flash EEPROM
	BIOS Features: ACPI 6.3
	     PCI 2.2
	     Plug and Play (PnP)
	     SMBIOS 3.0 or later
	     USB Keyboard support

Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!

PC Health Monitoring	Temperature: Monitoring for CPU and chassis environment
	     CPU thermal trip support
	     I²C Temperature Sensing Logic
	     Thermal control for 6x Fan connectors
	FAN: Status monitor for speed control
	   Pulse Width Modulated (PWM) fan connectors
	   Up to 6-fan status tachometer monitoring
	   Up to six 4-pin fan headers
	CPU: Monitors CPU Core Voltages, +12V, +3.3V, +5V, +5V standby, 3.3V standby, VBAT
	   CPU switching voltage regulator
	Other Features: Chassis Intrusion Detection
	      Chassis Intrusion Header

Dimensions and Weight	Weight: Gross Weight: 59 lbs (26.76 kg) Net Weight: 33 lbs (15 kg) Available Color: Black front & sliver body
Operating Environment	RoHS Compliant Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	**Super H12SSW-NTR**
Chassis	**CSE-LA26TS-R1K23AWP1**