WIO A+ Server AS -1114S-WN10RT

1U WIO with 10 hot-swap U.2 NVMe/SATA bays and 3 PCIe 4.0 slots

Key Applications

Virtualization, Cloud Computing, All Flash Storage,
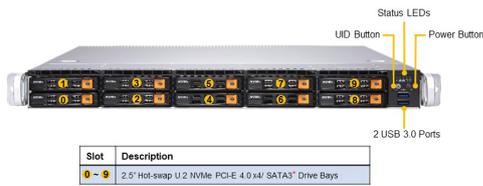
Key Features

- 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) 2.16 DIMMs; up to 4TB 3DS
  ECC;
- 16 DIMMs; up to 4TB 3DS ECC
  DDR4-3200MHz RDIMM/LRDIMM;
- 2 PCIe 4.0 x16 (FHHL) slots
  1 PCIe 4.0 x16 (LP) slot;
- 2x10GBase-T LAN ports via Broadcom BCM57416 Controller;
- 10 Hot-swap 2.5" NVMe/SATA fully hybrid drive support (optional parts for
  SAS drive support);

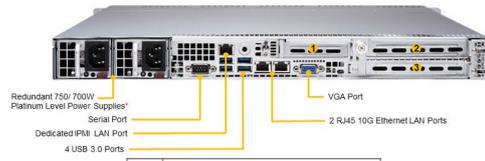|	
Form Factor	1U Rackmount Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5") Package: 610 x 203 x 813mm (24" x 8" x 32")
Processor	Single Socket SP3 AMD EPYC™ 7002/7003 Series Processors Up to 64C/128T
System Memory	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 10 bays • 10 front hot-swap 2.5" NVMe/SATA drive bays

Expansion Slots	PCI-Express (PCIe) Configuration: Default
	       • 2 PCIe 4.0 x16 FHHL slots
	       • 1 PCIe 4.0 x16 LP slot
	M.2: 2 M.2 PCIe 4.0 x2 NVMe slots (M-key 2280/22110)

On-Board Devices	SATA: SATA (6Gbps) Chipset: AMD System on Chip Network Connectivity: 2 RJ45 10GBASE-T with Broadcom® BCM57416 IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port
	    2 RJ45 10 GBASE-T LAN ports
	USB: 2 USB 3.0 ports(front)
	    4 USB 3.0 ports(rear)
	    1 USB 3.0 port(Rear)
	Video: 1 VGA port
	DOM: 2 SuperDOM (Disk on Module) ports

(Front View – System)

(Rear View – System)

Status LEDs
UID Button — Power Button
2 USB 3.0 Ports

Slot	Description
0 ~ 9	2.5" Hot-swap U.2 NVMe PCI-E 4.0 x4/ SATA3" Drive Bays

*SATA3 support requires additional parts in optional parts list.

Redundant 750/ 700W
Platinum Level Power Supplies*
Serial Port
Dedicated IPMI LAN Port
4 USB 3.0 Ports
VGA Port
2 RJ45 10G Ethernet LAN Ports

Slot	Description
1	PCIe 4.0 x16 LP slot
2 ~ 3	PCIe 4.0 x16 FHHL slot

*Full redundancy based on configuration and application load.

System Cooling	Fans: Up to 6 heavy duty fans with optimal fan speed control
Power Supply	2x 750W Redundant (1 + 1) Platinum Level (94%) power supplies
System BIOS	BIOS Type: AMI 256MB SPI Flash ROM
Management	Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); KVM with dedicated LAN ; IPMI 2.0; Watch Dog

PC Health Monitoring	CPU: 4+1 Phase-switching voltage regulator
	    Monitors for CPU Cores, Chipset Voltages, Memory
	FAN: Fans with tachometer monitoring
	    Pulse Width Modulated (PWM) fan connectors
	    Status monitor for speed control
	Temperature: Monitoring for CPU and chassis environment
	        Thermal Control for fan connectors

Dimensions and Weight	Weight: Gross Weight: 39 lbs (17.69 kg) Net Weight: 25 lbs (11.34 kg) Available Color: Black
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 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 H12SSW-NTR**
Chassis	**CSE-116TS-R706WBP5-N10**