WIO A+ Server AS -2015SV-WTNRT

2U UP WIO with 12 hot-swap 3.5" NVMe/SAS/SATA (6 NVMe hybrid) bays and 2 PCIe 5.0 x16 FHFL slots + 2 PCIe 5.0 x8 LP slots

Key Applications

Virtualization, Data Center Optimized, Firewall Applications, Database/Storage, Edge/Cloud Computing Services,

Key Features

- Single Socket AMD EPYC™ 8004 Series Processor;
- 6 DIMM slots, DDR5-4800MHz memory, support up to 576GB;
- 2 PCIe 5.0 x16 FHFL; 2 PCIe 5.0 x 8 LP, Supports up to 1 double-width or 2 single-width GPU(s);
- Single dedicated IPMI LAN, dual 10GbE BaseT LAN ports via Broadcom BCM57416 Controller;
- 12 hot-swap 3.5"/2.5" SATA(default)/SAS drive bays or 6 SATA/NVMe hybrid + 6 SATA drive bays (optional cables or SAS controller card for NVMe and SAS drive bays);

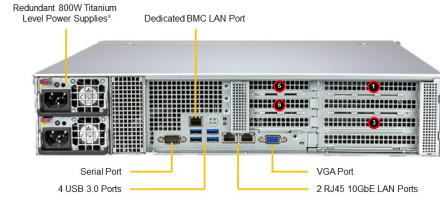|	
Form Factor	2U Rackmount Enclosure: 437 x 89 x 650mm (17.2" x 3.5" x 25.6") Package: 673 x 292 x 864mm (26.5" x 11.5" x 34")
Processor	Single processor(s) AMD EPYC™ 8004 Series Processor Up to 64C/128T
GPU	Max GPU Count: Up to 1 double-width or 2 single-width GPUs Supported GPU: NVIDIA PCIe: T400, RTX 4000 Ada Generation
System Memory	Slot Count: 6 DIMM slots Max Memory (1DPC): Up to 576GB 4800MT/s ECC DDR5 RDIMM

Drive Bays Configuration	Default: Total 12 bays
	  • 12 front hot-swap 3.5" SATA drive bays
	Option A: Total 12 bays
	  • 6 front hot-swap 3.5"/2.5" PCIe 5.0 NVMe*/SATA drive bays
	  • 6 front hot-swap 3.5"/2.5" SATA drive bays
	Option B: Total 12 bays
	  • 12 front hot-swap 2.5" SAS* drive bays
	(*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details)
	M.2: 2 M.2 PCIe 3.0 x4 NVMe slots (M-key 2280/22110)

Expansion Slots	Default
	  • 2 PCIe 5.0 x16 FHFL slots
	  • 2 PCIe 5.0 x8 LP slots

On-Board Devices	Chipset: System on Chip Network Connectivity: 2 RJ45 10GBASE-T with Broadcom® BCM57416
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GBASE-T LAN ports USB: 4 ports(rear) Video: 1 VGA port Serial: 1 COM port(Rear) TPM: 1 TPM Onboard/port 80

(Front View – System)

(Rear View – System)

Service Tag

Power Button

Status LEDs

Drive Bay		Description
0 — 5		3.5" Hot-swap NVMe*/SAS*/SATA Drive Bays
6 — 11		3.5" Hot-swap SAS*/SATA Drive Bays

*NVMe and SAS drive bays require additional optional parts

Redundant 800W Titanium Level Power Supplies*

Dedicated BMC LAN Port

Serial Port

4 USB 3.0 Ports

VGA Port

2 RJ45 10GbE LAN Ports

Slot Description
PCIe 5.0 x16 FHFL
PCIe 5.0 x16 FHFL
PCIe 5.0 x8 LP
PCIe 5.0 x8 LP

* Full redundancy based on configuration and application load.

System Cooling	Fans: 3 Heavy duty PWM 80x80x38mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	2x 800W Redundant Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM BIOS Features: ACPI 6.4 Plug and Play (PnP) SMBIOS 3.5 or later UEFI 2.8 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	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
Dimensions and Weight	Weight: Gross Weight: 58 lbs (26.3 kg) Net Weight: 34 lbs (15.4 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	**Super H13SVW-NT**
Chassis	**CSE-826BTS-R000WNBP4**