

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



More details here

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 768GB;
- 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);
- Dual 800W Redundant Titanium Level power supplies (Power supply full redundancy based on configuration and application load);



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: RTX 4000 Ada Generation, T400
System Memory	Slot Count: 6 DIMM slots Max Memory (1DPC): Up to 768GB 4800MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 12 bays <ul style="list-style-type: none"> • 12 front hot-swap 3.5" SATA drive bays Option A: Total 12 bays <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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

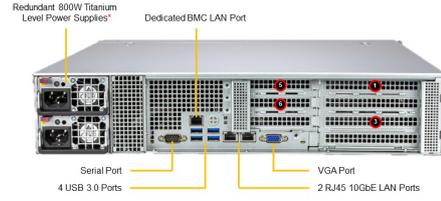
(Front View – System)



Drive Bay	Description
0 - 1	3.5" Hot-swap NVMe/SAS/SATA Drive Bays
2 - 10	3.5" Hot-swap SAS/SATA Drive Bays

*NVMe and SAS drive bays require additional optional parts

(Rear View – System)



Slot	Slot Description
1	PCIe 5.0 x16 FH/FL
2	PCIe 5.0 x16 FH/FL
3	PCIe 5.0 x8 LP
4	PCIe 5.0 x8 LP

*Full redundancy based on configuration and application load

System Cooling	Fans: Up to 3 Heavy duty PWM 80x80x38mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	2x 800W Redundant (1 + 1) 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 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: 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	<u>Super H13SVW-NT</u>
Chassis	CSE-826BTS-R000WNB4