

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 | 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 |

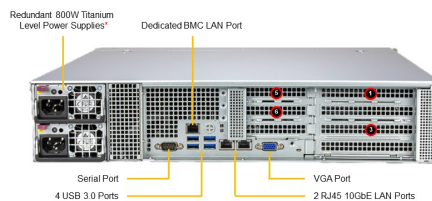
(Front View – System)



| 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 | Super H13SVW-NT |
| Chassis | CSE-826BTS-R000WNB4 |