

WIO A+ Server AS -1015SV-WTNRT

1U UP WIO with 4 hot-swap 3.5" NVMe/SAS/SATA bays and 3 PCIe 5.0 x16 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; 1 PCIe 5.0 x16 LP;
- Single dedicated IPMI LAN, dual 10GbE BaseT LAN ports via Broadcom BCM57416 Controller;
- 4 hot-swap 3.5" drive bays support SATA(default)/NVMe/SAS drives (optional cables or SAS controller card for NVMe and SAS drive bays);
- Dual 860W Redundant Titanium Level power supplies (Power supply full redundancy based on configuration and application load);



Form Factor

1U
Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6")
Package: 597 x 216 x 856mm (23.5" x 8.5" x 33.7")

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: A2, L4, L40

System Memory

Slot Count: 6 DIMM slots
Max Memory (1DPC): Up to 768GB 4800MT/s ECC DDR5 RDIMM

Drive Bays Configuration

Default: Total 4 bays
• 4 front hot-swap 3.5" NVMe*/SAS*/SATA drive bays
(*NVMe/SAS support may require additional storage controller and/or cables)
M.2: 2 M.2 PCIe 3.0 x4 NVMe slots (M-key 2280/22110)

Expansion Slots

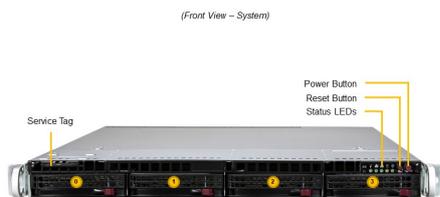
Default
• 2 PCIe 5.0 x16 FHFL slots
• 1 PCIe 5.0 x16 LP slot

On-Board Devices

Chipset: System on Chip
Network Connectivity: 2 RJ45 10GBASE-T with Broadcom® BCM57416

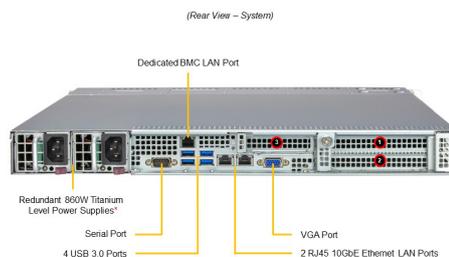
Input / Output

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



| Drive Bay | Description |
|-----------|---|
| 0-5 | 3.5" Hot-Swap SATA/RAID/SAS* Drive Bays |

*RAID and SAS support requires additional parts from the optional parts list



| Slot | Slot Description |
|------|--------------------|
| 1 | PCIe 5.0 x16 FH/FL |
| 2 | PCIe 5.0 x16 FH/FL |
| 3 | PCIe 5.0 x16 LP |

* Full redundancy based on configuration and application base

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|-----------------------|--|
| System Cooling | Fans: Up to 6 Heavy duty counter-rotating 40x40x56mm Fan(s) Air Shroud: 1 Air Shroud |
| Power Supply | 2x 860W 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); OOB Management Package (SFT-OOB-LIC); 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: 34.5 lbs (15.46 kg) Net Weight: 21.5 lbs (9.75 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-815BTS-R000WNP |