

# 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 576GB;
- 2 PCIe 5.0 x16 FHFL; 2 PCIe 5.0 x8 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);



<b>Form Factor</b>	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")
<b>Processor</b>	Single processor(s) AMD EPYC™ 8004 Series Processor Up to 64C/128T
<b>GPU</b>	Max GPU Count: Up to 1 double-width or 2 single-width GPU(s) Supported GPU: NVIDIA PCIe: T400, RTX 4000 Ada Generation
<b>System Memory</b>	Slot Count: 6 DIMM slots Max Memory (1DPC): Up to 576GB 4800MT/s ECC DDR5 RDIMM
<b>Drive Bays Configuration</b>	Default: Total 12 bay(s) <ul style="list-style-type: none"> <li>• 12 front hot-swap 3.5" SATA drive bay(s)</li> </ul> Option A: Total 12 bay(s) <ul style="list-style-type: none"> <li>• 6 front hot-swap 3.5"/2.5" PCIe 5.0 NVMe*/SATA drive bay(s)</li> <li>• 6 front hot-swap 3.5"/2.5" SATA drive bay(s)</li> </ul> Option B: Total 12 bay(s) <ul style="list-style-type: none"> <li>• 12 front hot-swap 2.5" SAS* drive bay(s)</li> </ul> (*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 slot(s) (M-key 2280/22110)
<b>Expansion Slots</b>	PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 FHFL slot(s)</li> <li>• 2 PCIe 5.0 x8 LP slot(s)</li> </ul> M.2: 2 M.2 PCIe 4.0 x4 NVMe slot(s) (M-key)
<b>On-Board Devices</b>	Chipset: System on Chip Network Connectivity: 2 RJ45 10GBASE-T with Broadcom® BCM57416
<b>Input / Output</b>	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) 2 RJ45 10 GBASE-T LAN port(s) USB: 4 port(s) (rear) Video: 1 VGA port(s) Serial: 1 COM port(s) (Rear) TPM: 1 TPM Onboard/port 80

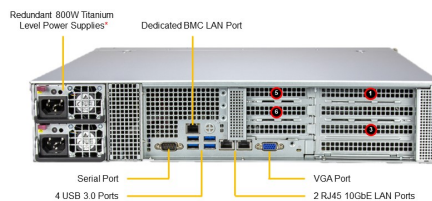
(Front View – System)



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: 3 Heavy duty PWM 80x80x38mm Fan(s)
Power Supply	2x 800W Redundant Titanium Level (96%) power supplies
System BIOS	<p>BIOS Type: AMI 32MB SPI Flash EEPROM</p> <p>BIOS Features: ACPI 6.4</p> <ul style="list-style-type: none"> <li>SMBIOS 3.5 or later</li> <li>UEFI 2.8</li> <li>Plug and Play (PnP)</li> <li>USB Keyboard support</li> </ul>
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	<p>FAN: Fans with tachometer monitoring</p> <ul style="list-style-type: none"> <li>Status monitor for speed control</li> <li>Pulse Width Modulated (PWM) fan connectors</li> </ul> <p>Temperature: Monitoring for CPU and chassis environment</p> <ul style="list-style-type: none"> <li>Thermal Control for fan connectors</li> </ul>
Dimensions and Weight	<p>Weight: Gross Weight: 58 lbs (26.3 kg)</p> <p>Net Weight: 34 lbs (15.4 kg)</p> <p>Available Color: Black</p>
Operating Environment	<p>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)</p> <p>Non-operating Temperature: -30°C to 60°C (-22°F to 140°F)</p> <p>Operating Relative Humidity: 8% to 80% (non-condensing)</p> <p>Non-operating Relative Humidity: 8% to 90% (non-condensing)</p>
Motherboard	<a href="#"><b>Super H13SVW-NT</b></a>
Chassis	<b>CSE-826BTS-R000WNB4</b>