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
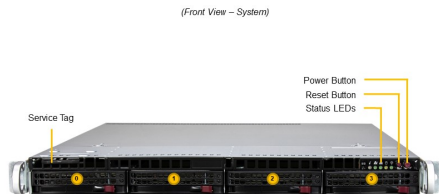
Key Applications

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 576GB;
- 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);
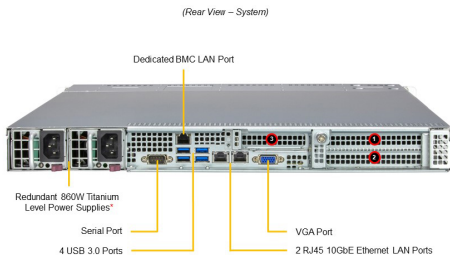
Form Factor	1U Rackmount Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6") Package: 597 x 216 x 856mm (23.5" x 8.5" x 33.7")
Processor	Single processor(s) AMD EPYC™ 8004 Series Processor Up to 64C/128T
GPU	Max GPU Count: Up to 1 double-width or 2 single-width GPUs Supported GPU: NVIDIA PCIe: L40, L4, A2
System Memory	Slot Count: 6 DIMM slots Max Memory (1DPC): Up to 576GB 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 4.0 x4 NVMe slots (M-key 2280/22110)

Expansion Slots	PCI-Express (PCIe) Configuration: Default
	        • 2 PCIe 5.0 x16 FHFL slots
	        • 1 PCIe 5.0 x16 LP slot
	M.2: 2 M.2 PCIe 3.0 x4 NVMe slots (M-key)

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
Reset Button
Status LEDs

Drive Bay	Description
0 – 3	3.5" Hot-Swap SATA/NVMe*/SAS* Drive Bays

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

Dedicated BMC LAN Port

Redundant 860W Titanium
Level Power Supplies*

Serial Port

4 USB 3.0 Ports

VGA Port

2 RJ45 10GbE Ethernet LAN Ports

	Slot Description
1	PCIe 5.0 x16 FHFL
2	PCIe 5.0 x16 FHFL
3	PCIe 5.0 x16 LP

*Full redundancy based on configuration and application load.

System Cooling	Fans: 6 Heavy duty counter-rotating 40x40x56mm Fan(s)
Power Supply	2x 860W 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); OOB Management Package (SFT-OOB-LIC); 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: 34.5 lbs (15.46 kg) Net Weight: 21.5 lbs (9.75 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 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