

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



Key Applications

Virtualization, Data Center Optimized, Firewall Applications, Database/Storage, Edge/Cloud Computing Services,

Key Features

- Single Socket AMD EPYC™ 8005/8004 Series Processor;
- 6 DIMM slots, up to DDR5-6400MHz memory, support up to 1.5TB;
- 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™ 8005/8004 Series Processor Up to 84C/168T; Up to 384MB Cache
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 (AMD EPYC™ 8004 Series Processor) Max Memory (1DPC): Up to 1.5TB 6400MT/s ECC DDR5 RDIMM (AMD EPYC™ 8005 Series Processor)
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, 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 • 2 PCIe 5.0 x16 FHFL slots • 1 PCIe 5.0 x16 LP slot
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



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® (SCC); 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