

WIO A+ Server AS -1115SV-WTNRT

1U UP WIO with 10 hot-swap 2.5" NVMe/SAS/SATA (6 NVMe hybrid) bays and 3 PCIe 5.0 x16 slots



More details here

Key Applications

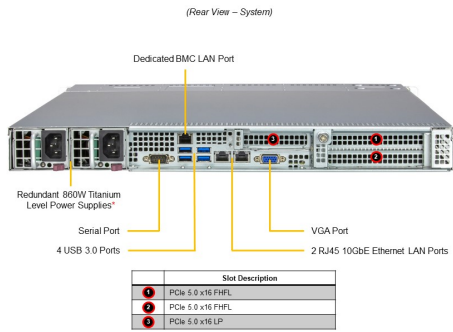
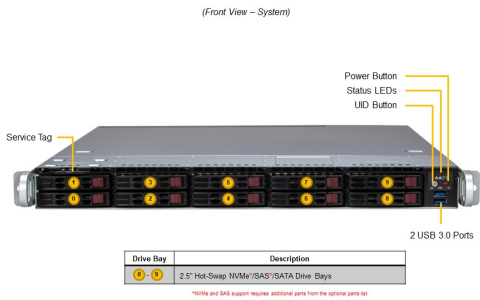
Virtualization, Data Center Optimized, Firewall Applications, Database/Storage, Edge/Cloud Computing Services,

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;
- 10 Hot-swap 2.5" SATA(default)/NVMe/SAS drive bays or 6 SATA/NVMe hybrid + 4 SATA drive bays (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 597mm (17.2" x 1.7" x 23.5") Package: 597 x 197 x 800mm (23.5" x 7.75" x 31.5")
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 768GB 4800MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 10 bays <ul style="list-style-type: none"> • 10 front hot-swap 2.5" 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 <ul style="list-style-type: none"> • 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: 2 ports(front) 4 ports(rear) Video: 1 VGA port Serial: 1 COM port(Rear) TPM: 1 TPM Onboard/port 80



System Cooling	<p>Fans: 6 Heavy duty counter-rotating 40x40x56mm Fan(s)</p> <p>Air Shroud: 1 Air Shroud</p>
Power Supply	2x 860W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	<p>BIOS Type: AMI 32MB SPI Flash EEPROM</p> <p>BIOS Features: ACPI 6.4</p> <p>Plug and Play (PnP)</p> <p>SMBIOS 3.5 or later</p> <p>UEFI 2.8</p> <p>USB Keyboard support</p>
Management	<p>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!</p>
PC Health Monitoring	<p>FAN: Fans with tachometer monitoring</p> <p>Status monitor for speed control</p> <p>Pulse Width Modulated (PWM) fan connectors</p> <p>Temperature: Monitoring for CPU and chassis environment</p> <p>Thermal Control for fan connectors</p>
Dimensions and Weight	<p>Weight: Gross Weight: 33.5 lbs (15.2 kg)</p> <p>Net Weight: 21 lbs (9.53 kg)</p> <p>Available Color: Black</p>
Operating Environment	<p>Operating Temperature: 10°C to 35°C (50°F to 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	<u>Super H13SVW-NT</u>
Chassis	CSE-116BTS-R000WNP

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis					
Part Number	MBD-H13SVW-NT		CSE-116BTS-R000WNP		
Qty	1		1		
Description	Super H13SVW-NT Motherboard		1U Chassis		
Backplane					
Part Number	BPN-NVME5-LB16A-S10				
Qty	1				
Description	1U 10-port hybrid backplane for SAS3/SATA3/NVME5 storage				
Cable					
Part Number	CBL-CDAT-0728	CBL-MCIO-1227EQS4	CBL-MCIO-1243S4Y	CBL-0335L	CBL-PWCD-0160-IS
Qty	1	1	1	1	2
Description	4 Pin to 4 Pin I2C Cable, 65cm, 26AWG, 4 Wires, Pinout 1-1	MCIO X8/STR+pTab to SlimSAS X4/STR+pTab,27CM,32AWG,RoHS	(MCIO x8 to 2 SlimSAS x4), STR, 43cm, 850hm, RoHS	FRONT CTL CABLE 20 PIN TO 20 PIN W/TUBE,70CM,PBF	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
Fan					
Part Number	FAN-0163L4				
Qty	6				
Description	40x40x56 mm, 23.3K-20.3K RPM, Counter-rotating Fan				
Front Panel					
Part Number	MCP-280-00033-0N	FPB-FP116-DU3			
Qty	1	1			
Description	Universal Thermal sensor kit with 80cm I2C cable	Front control board with two USB 3.0 for SC116/SC119X			
Power Supply					
Part Number	PWS-861A-1R	MCP-250-00009-0N			
Qty	2	1			
Description	1U redundant 800/860W Titanium AC power supply 54.5x40x322mm	SC113 Redundant Power Distributor Cover			
Riser Card					
Part Number	RSC-W-66G5	RSC-WR-6G5H			
Qty	1	1			
Description	1U LHS WIO Riser card with two PCIe 5.0 X16 slots,HF,R	1U RHS WIO Riser card with one PCIe 5.0 X16 slot,HF,RoHS			
Software					
Part Number	SFT-OOB-LIC				
Qty	1				
Description	License key for enabling OOB BIOS management				
Heatsink / Retention					
Part Number	SNK-P0062P-1				
Qty	1				
Description	1U Passive CPU Heat Sink for AMD Socket SP6 Processors				
*Power Distributor					
Part Number	PDB-PT116-SL8824				
Qty	1				
Description	Based on PDB-PT116-L8824 to optimize 24Pin etc cable lengths				
*Drive Tray(s)					
Part Number	MCP-220-00047-0B				

Qty	10				
Description	Black gen 3rd hot-swap 2.5inch HDD tray				
*Rear Window					
Part Number	MCP-240-00202-0N				
Qty	1				
Description	1U WIO rear window to support top-load riser bracket for SC815B,SC116B				
*Rail Set					
Part Number	MCP-290-00016-0N	MCP-290-00063-0N	MCP-290-00102-0N	MCP-290-00108-0N	MCP-290-00112-0N
Qty	1	1set	1 set	1 set	1 set
Description	1U open rack bracket set for CSE-PT51L,MCP-290-00054-0N	Rail set, quick/quick, default for 1U 17.2"W for SC113/SC116,RoHS/REACH	Outer rail, quick-release type, 25.6	Inner rail, front, short, quick-release type	Inner rail, extension, long (quick) for 1U 17.2W chassis
*Air Shroud					
Part Number	MCP-310-11606-0B				
Qty	1				
Description	Air block for 1U WIO SC116B with X13SEW				
*Fan Holder					
Part Number	MCP-320-00027-0B	MCP-320-00028-0B	MCP-340-00035-0B		
Qty	24	1	2		
Description	Plastic pin for 40x28, 40x56 fan	Fan holder for 6pcs 40x56 fan, assemble-able for SC819/SC119/SC818/SC116	Dummy fan 40x56mm for 40x56 counter-rotating fan (cost-effective)		

- Notes:
1. Parts with * are inside the chassis
 2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

Optional Parts List

Cable Management Arm	
Part Number	MCP-290-00152-0N • eStore (https://store.supermicro.com/1u-cable-management-arm-mcp-290-00152-0n.html)
Qty	1
Description	1U Supermicro Cable Management Arm 2nd Gen
Front Bezel	
Part Number	MCP-210-11601-0B
Qty	1
Description	Black Front Bezel
NVMe Cable (Drive Bay 0-1)	
Part Number	CBL-MCIO-1326M5 • eStore (https://store.supermicro.com/mcio-x8-to-x8-str-26cm-g5-32awg-rohs-rohs.html)
Qty	1
Description	MCIO (x8 to x8), STR, 26cm,G5,32AWG
NVMe Cable (Drive Bay 2-3)	
Part Number	CBL-MCIO-1340M5-1 • eStore (https://store.supermicro.com/cbl-mcio-1340m5-1-mcio-40cm-cable.html)
Qty	1
Description	MCIO x8 (STR to STR), semi-flat, 40cm,32AWG

NVMe Cable (Drive Bay 4-5)

Part Number	CBL-MCIO-1340M5-1 • eStore (https://store.supermicro.com/cbl-mcio-1340m5-1-mcio-40cm-cable.html).
Qty	1
Description	MCIO x8 (STR to STR), semi-flat, 40cm,32AWG

NVMe Cable (Drive Bay 6-7)

Part Number	CBL-MCIO-1326M5 • eStore (https://store.supermicro.com/mcio-x8-to-x8-str-26cm-g5-32awg-rohs-rohs.html).
Qty	1
Description	MCIO (x8 to x8), STR, 26cm,G5,32AWG

NVMe Cable (Drive Bay 8-9)

Part Number	CBL-MCIO-1218M5 • eStore (https://store.supermicro.com/mcio-x8-to-mcio-x8-str-18cm-cbl-mcio-1218m5.html).
Qty	1
Description	MCIO x8 (STR to STR),18CM,85OHM

Certain products may not be available in your region

Gold Series SKUs (/de/products/gold-series)