WIO A+ Server AS -1014S-WTRT

1U WIO with 4 hot-swap 3.5" SATA bays and dual 10GbE

More details here

Key Applications

DB Processing & Storage, Data Center Applications, Firewall Applications,

Key Features

- Single AMD EPYC™ 7002 Series Processor;
- 8 DIMMs; up to 2TB 3DS ECC DDR4-3200MHz RDIMM/LRDIMM;
- 2 PCIe 4.0 x16 (FHFL) slots + 1 PCIe 4.0 x16 (LP) slot;
- Dual 10GBase-T LAN ports via Broadcom BCM57416 Controller;
- 4 Hot-swap 3.5" SATA3 drive bays; Optional 4 hot-swap 2.5"/3.5" PCIe 3.0 NVMe drive bays support via additional kit;
- 500W Redundant Power Supplies Platinum Level High-efficiency (Full redundancy based on configuration and application load);
- Integrated IPMI 2.0 + KVM with dedicated LAN; Software Out of Band License key (SFT-OOB-LIC) included for OOB BIOS management;
- 1 VGA port; 5 USB 3.0 ports (4 rear, 1 Type A); 2 SuperDOM (Disk on Module) ports;



Form Factor	1U Rackmount Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6") Package: (23.5" x 8.5" x 33.7")
Processor	Single Socket SP3 AMD EPYC™ 7002/7003 Series Processors
GPU	Max GPU Count: Up to 2 double-width or 2 single-width GPUs Supported GPU: NVIDIA PCIe: A2, T4
System Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 4 bays • 4 front hot-swap 3.5" SATA drive bays Option A: Total 4 bays • 4 front hot-swap 3.5"/2.5" PCIe 3.0 NVMe* drive bays (*NVMe support may require additional storage controller and/or cables, please see the optional parts list for details) Peripheral Bays: 1 slim DVD bay (optional)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 2 PCIe 4.0 x16 FHFL slots • 1 PCIe 4.0 x16 LP slot M.2: 2 M.2 PCIe 3.0 x1 NVMe/SATA slots (M-key)
On-Board Devices	SATA: SATA (6Gbps) Network Connectivity: 2 RJ45 10GbE with Broadcom® BCM57416 IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 1 GBASE-T LAN ports USB: 4 USB 3.0 ports (rear) 1 USB 3.0 Type-A port Video: 1 VGA port DOM: 2 SuperDOM (Disk on Module) ports

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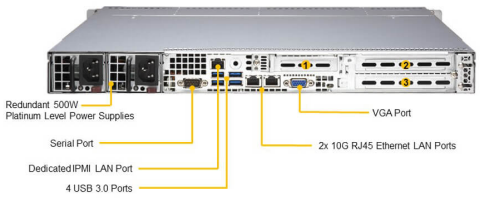
(Front View – System)



Slot	Description
0 - 3	3.5" Hot-Swap SATA3/ U.2 NVMe* Drive Bays

*U.2 NVMe support requires additional parts in optional parts list

(Rear View – System)



Slot	Description
1	PCI-E 4.0 x16 (LP) Slot
2 - 3	PCI-E 4.0 x16 (FHHL) Slot

System Cooling	Fans: Up to 2 AOC cooling Fan(s) Up to 4 Counter-rotating PWM 4cm Fan(s)
Power Supply	2x 500W Redundant (1 + 1) Platinum Level (94%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
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); SuperServer Automation Assistant (SAA) New!; IPMICFG; SMCIPMITool; IPMIView
PC Health Monitoring	CPU: 4+1 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory 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: 46 lbs (20.87 kg) Net Weight: 22 lbs (9.98 kg) Available Color: Black
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (Non-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)
Motherboard	**A+ Motherboard® H12SSW-NT**
Chassis	**CSE-815TS-R504WBP4**

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