

WIO A+ Server AS -1114S-WTRT

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



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[./files_SYS/images/System/AS-1114S-WTRT_main.jpg](#)

Key Applications

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

Key Features

- Single AMD EPYC™ 7003/7002 Series Processor
(The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer)
- 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

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Specifications

Product SKUs A+ Server AS -1114S-WTRT Standard version with PWS-504P-1R (Platinum) A+ Server AS -1114S-WTRT-EU European version with PWS-601A-1R (Titanium)		Chassis Form Factor 1U Rackmount Model CSE-116TS-R504WBP	
Motherboard Super H12SSW-NT (https://www.supermicro.com/en/products/motherboard/h12ssw-nt)		Dimensions and Weight Height 1.7" (43 mm) Width 17.2" (437 mm) Depth 23.5" (597 mm) Package 8" (H) x 24" (W) x 32" (D) Weight Gross Weight: 46 lbs (20.9 kg) Net Weight: 25 lbs (11.34 kg) Available Color Black	
Processor CPU	Single SP3 AMD EPYC™ 7002/7003 Series Processors (https://www.supermicro.com/en/support/resources/cpu-amd-epyc-9005-9004-7003)	Expansion Slots PCI-Express (PCIe) Configuration	Default 2 PCIe 4.0 x16 FHFL slots 1 PCIe 4.0 x16 LP slot View AOC Options
Note GPU Max GPU Count Supported GPU	Supports up to 280W TDP CPUs (Air Cooled) Up to 2 double-width or 2 single-width GPUs NVIDIA PCIe: T4, A2 View GPU Options (https://www.supermicro.com/ort/resources/gpu?rsc=fltr_sku%3DAS%20-1114S-1)	M.2 Drive Bays / Storage Drive Bays Configuration	2 M.2 PCIe 3.0 x2 NVMe/SATA slots (M-key) Default: Total 10 bays 10 front hot-swap 2.5" SATA drive bays Option A: Total 10 bays 8 front hot-swap 2.5" SATA drive bays 2 front hot-swap 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) View NVMe Options View Drive Options
System Memory Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 3200MT/s ECC RDIMM/LRDIMM View Memory Options	System Cooling Fans 6 heavy duty fans with optimal fan speed control	
Memory Voltage	1.2V	Power Supply	
On-Board Devices Chipset Network Connectivity IPMI			
System on Chip 2 RJ45 10GbE View AOC Options Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM LAN support			
Input / Output LAN USB Video DOM			
1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GBASE-T LAN ports 7 USB 3.0 ports 1 VGA port 2 SuperDOM (https://www.supermicro.com/SATADOM/), (D Module) ports			
System BIOS BIOS Type			
AMI 32MB SPI FLASH ROM			
Management			

Software	Supernova Update Manager (SUM) (https://www.supernova.com/en/solutions/management-software/supernova-update-manager) Supernova SuperDoctor® 5 (SD5) (https://www.supernova.com/en/solutions/management-software/superdoctor) KVM with dedicated LAN (https://www.supernova.com/manuals/other/IPMI_X13_H13_B13.pdf#page=111) IPMI 2.0 (https://www.supernova.com/solutions/IPMI) Watch Dog	2x 500W
	ACPI/APM Power Management	2x 500W Redundant (1 + 1) Platinum Level (94%) power supplies
Power configurations		
Security		
Hardware	Trusted Platform Module (TPM) 2.0 Silicon Root of Trust (RoT) – NIST 800-193 Con	
Features	Cryptographically Signed Firmware Secure Boot Secure Firmware Updates Automatic Firmware Recovery System Lockdown	
PC Health Monitoring		
CPU	Monitors for CPU Cores, Chipset Voltages, Mer	
FAN	4+1 Phase-switching voltage regulator 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	
Operating Environment		
ROHS		
Environmental Spec.		
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)		
Dimension (WxHxL)		
54.5 x 40.25 x 320 mm		
Input		
500W: 100-240Vac / 50-60Hz		
+12V		
Max: 42A / Min: 0.5A (100Vac-240Vac)		
Max: 42A / Min: 0.5A		
5V SB		
Max: 3A / Min: 0A		
Max: 4A / Min: 0A		
Output Type		
Backplanes (gold finger)		
Certification		
 http://www.plugloadsolutions.com/80PLUS/80PLUS%20PLATINUM%2094%20EFFICIENCY%20CERTIFICATION%20TEST%20REPORT%20ID%3D69&type=2		
Platinum Level		
[Test Report		
(https://www.supernova.com/products/po504P-1R.pdf)]		

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[SCHEDULE ACCESS \(HTTPS://WWW.SUPERNOVA.COM/JUMPSTART/SCHEDULE/SKU/AS%20-1114S-WTRT\)](https://www.supernova.com/jumpstart/schedule/sku/as%20-1114S-WTRT)

Parts List

Certain products may not be available in your region

