WIO SuperServer SYS-112B-WR

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

More details here

Key Applications

Virtualization, Cloud Computing, Data Center Optimized, Web Cache, Database/Storage, Storage Headnode, AI Inference, Content Delivery Network (CDN), Networking Security Appliance,

Key Features

- WIO systems offer flexible I/O configurations in a cost-effective architecture to deliver truly optimized systems for specific enterprise requirements.;
- Single Intel® Xeon® 6 Processor;
- 8 DIMM slots supporting up to 2TB of memory;
- Tool-less, Top-loading riser design support 3 PCIe 5.0 Expansion (2x FHFL + 1x LP).;
- Native SATA drives supported, with option for up to 8 PCIe 5.0 NVMe drives or 10 SAS drives.;
- Trusted Platform Module (TPM) 2.0 onboard.;

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 Socket E2 (LGA-4710) Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores P-cores: Up to 86C/172T; Up to 336MB Cache E-cores: Up to 144C/144T; Up to 108MB Cache
GPU	Max GPU Count: Up to 1 double-width or 2 single-width GPUs Supported GPU: NVIDIA PCIe: L4, NVIDIA RTX PRO 2000 Blackwell, NVIDIA RTX PRO 4000 Blackwell SFF Edition, RTX 2000 Ada NVIDIA: RTX A400 CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
System Memory	Slot Count: 8 DIMM slots/8 Channels Max Memory (1DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 8 bays • 8 front hot-swap 2.5" SAS*/SATA drive bays Option A: Total 10 bays • 4 front hot-swap 2.5" PCIe 5.0 x4 NVMe* drive bays • 6 front hot-swap 2.5" SAS*/SATA drive bays Option B: Total 10 bays • 8 front hot-swap 2.5" PCIe 5.0 x4 NVMe* drive bays • 2 front hot-swap 2.5" SAS*/SATA drive bays Option C: Total 10 bays • 10 front hot-swap 2.5" SAS* 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 5.0 x2 NVMe slots (M-key 2280/22110; VROC required for RAID)
Expansion Slots	Default • 2 PCIe 5.0 x16 FHFL slots • 1 PCIe 5.0 x8 (in x16) LP slot
On-Board Devices	SATA: SATA (6Gbps) NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required) Network Connectivity: 2 RJ45 1GbE with Intel® I210

Input / Output	LAN: 2 RJ45 1 GbE LAN ports 1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1) USB: 2 USB 3.2 Gen1 Type-A ports (rear) 2 USB 3.2 Gen1 Type-A ports (front) Video: 1 VGA port Serial: 1 COM port (header) 1 COM port (rear) TPM: 1 TPM header

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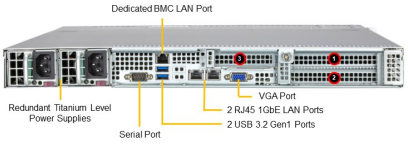
(Front View – System)

Drive Bay	Description
0 – 9	10 Hot-swap 2.5" PCIe 5.0 NVMe[1]/SAS3[1]/SATA3[1] Drive Bays

[1] NVMe, SAS3, or SATA3 support requires additional parts from the optional parts list
[2] Maximum 8 NVMe drives
[3] 8 native SATA3 drives

(Rear View – System)



	Slot Description
1	PCIe 5.0 x16 FHFL
2	PCIe 5.0 x16 FHFL
3	PCIe 5.0 x8 (in x16) LP

System Cooling	Fans: Up to 1 AOC cooling Fan(s) (optional) Up to 5 middle cooling PWM 40x40x56mm Fan(s) Air Shroud: 1 CPU Air Shroud
Power Supply	2x 860W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB UEFI
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	CPU: 8 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: 33.5 lbs (15.2 kg) Net Weight: 21 lbs (9.53 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 X14SBW-F**
Chassis	**CSE-116BTS-R000WNP**

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