

# 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, Networking Appliance, Cloud Computing, Data Center  
 Optimized, Database/Storage, Storage Headnode, Entry GPU server, Web  
 Cache, CDN, Video Streaming, AI Inference,

## 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 6700 series processor with E-cores;
- 8 DIMM slots supporting up to 1TB of memory (6700E series CPU).;
- 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.;

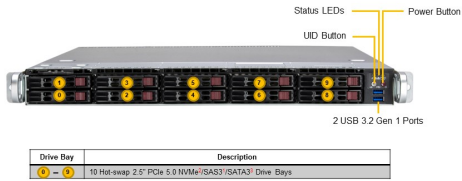


<b>Form Factor</b>	1U Rackmount Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5") Package: 597 x 197 x 800mm (23.5" x 7.75" x 31.5")
<b>Processor</b>	Single Socket E2 (LGA-4710) Intel® Xeon® 6 6700 series processors with E-cores Up to 144C/144T; Up to 108MB Cache
<b>GPU</b>	Max GPU Count: Up to 2 single-width GPU(s) CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect
<b>System Memory</b>	Slot Count: 8 DIMM slots/8 Channels Max Memory (1DPC): Up to 1TB 6400MT/s ECC DDR5 RDIMM
<b>Drive Bays Configuration</b>	Default: Total 8 bay(s) <ul style="list-style-type: none"> <li>• 8 front hot-swap 2.5" SATA drive bay(s)</li> </ul> Option A: Total 10 bay(s) <ul style="list-style-type: none"> <li>• 8 front hot-swap 2.5" SATA drive bay(s)</li> <li>• 2 front hot-swap 2.5" PCIe 5.0 x4 NVMe* drive bay(s)</li> </ul> Option B: Total 10 bay(s) <ul style="list-style-type: none"> <li>• 4 front hot-swap 2.5" PCIe 5.0 x4 NVMe* drive bay(s)</li> <li>• 6 front hot-swap 2.5" SATA drive bay(s)</li> </ul> Option C: Total 10 bay(s) <ul style="list-style-type: none"> <li>• 8 front hot-swap 2.5" PCIe 5.0 x4 NVMe* drive bay(s)</li> <li>• 2 front hot-swap 2.5" SATA drive bay(s)</li> </ul> Option D: Total 10 bay(s) <ul style="list-style-type: none"> <li>• 10 front hot-swap 2.5" SAS* drive bay(s)</li> </ul> (*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 slot(s) (M-key 2280/22110; VROC required for RAID)
<b>Expansion Slots</b>	Default <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 FHFL slot(s)</li> <li>• 1 PCIe 5.0 x8 (in x16) LP slot(s)</li> </ul>
<b>On-Board Devices</b>	SATA: SATA (6Gbps) NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required) Chipset: System on Chip Network Connectivity: 2 RJ45 1GbE with Intel® I210
<b>Input / Output</b>	LAN: 2 RJ45 1 GbE LAN port(s) 1 RJ45 1 GbE Dedicated BMC LAN port(s) (IPMI shared on LAN port 1) USB: 2 USB 3.2 Gen1 Type-A port(s) (rear) 2 USB 3.2 Gen1 Type-A port(s) (front)

Video: 1 VGA port(s)  
Serial: 1 COM port(s) (Rear)  
          1 COM port(s) (Header)  
TPM: 1 TPM header

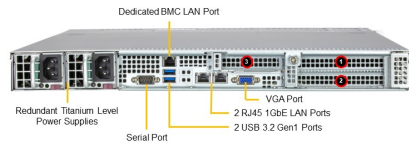
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(Front View – System)



Drive Bay	Description
10	Hot-swap 2.5" PCIe 5.0 NVMe/SAS3/SATA3 Drive Bays

(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

NVMe, SAS3, or SATA3 support requires additional parts from the optional parts list  
 \*Maximum 8 NVMe drives  
 †6 native SATA3 drives

System Cooling	Fans: 1 AOC cooling Fan(s) (optional) 5 middle cooling PWM 40x40x56mm Fan(s) Air Shroud: 1 CPU Air Shroud(s)
Power Supply	2x 860W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB SPI Flash EEPROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 8 Phase-switching voltage regulator FAN: 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
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 ~ 35°C (50°F ~ 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	<a href="#"><b>Super X14SBW-F</b></a>
Chassis	<b>CSE-116BTS-R000WNP</b>