

# IoT SuperServer SYS-112B-WN2T

1U Single processor WIO ft. 6 hot-swap 2.5" NVMe bays and 3 PCIe 5.0 slots



More details here

## Key Applications

Virtualization, Cloud Computing, Data Center Optimized, Firewall Applications, GPU Accelerated Compute, CDN/vCDN/Cloud CDN,

## Key Features

- Single Socket E2 (LGA-4710) Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores up to 350W with air cooling;
- Up to 2TB ECC RDIMM DDR5-6400 or 512GB MRDIMM DDR5-8000 in 8 DIMM slots;
- Support for up to 2 single-width PCIe GPU accelerator cards;
- Up to 2 PCIe 5.0 x16 FHFL + 1 PCIe 5.0 x16 LP slots;
- Onboard 2 RJ45 10GbE;
- Up to 6 front hot-swap 2.5" NVMe drive bays;
- 2 Redundant 800W Platinum Level Hot-plug power supplies;



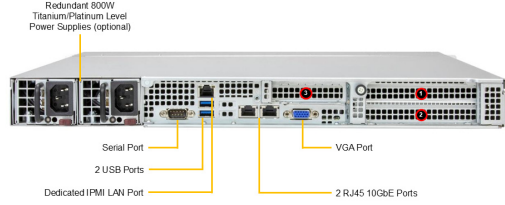
Form Factor	1U Rackmount Enclosure: 437 x 43 x 559mm (17.2" x 1.7" x 22") Package: 686 x 203 x 610mm (27" x 8" x 24")
Processor	Single Socket E2 (LGA-4710) Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores P-cores: Up to 86C/172T; Up to 336MB Cache E-cores: Up to 144C/144T; Up to 108MB Cache
GPU	Up to 2 single-width GPUs
System Memory	Slot Count: 8 DIMM slots/8 Channels Max Memory (1DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM Max Memory (1DPC): Up to 512GB 8000MT/s ECC DDR5 MRDIMM (P-core only)
Drive Bays Configuration	Default: Total 6 bays • 6 front hot-swap 2.5" NVMe drive bays M.2: 2 M.2 PCIe 5.0 x2 NVMe slots (M-key 2280/22110)
Expansion Slots	Default • 2 PCIe 5.0 x16 FHFL slots • 1 PCIe 5.0 x16 LP slot
On-Board Devices	2 RJ45 10GbE with Intel® X550
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 10 GbE LAN ports 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(rear) TPM: 1 TPM header

(Front View – System)



Drive Bay	Description
1-4	10 Hot-swap 2.5" PCIe 5.0 NVMe Drive Bays

(Rear View – System)



Slot	Slot Description
1-2	PCIe 5.0 x16 Full
3-4	PCIe 5.0 x16 LP

System Cooling	Fans: Up to 5x 4cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	2x 800W Redundant (1 + 1) Platinum Level (94%) 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, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. 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 Voltage: Voltage, VBAT, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, VRM temperature, CPU thermal trip support, 1.8V standby
Dimensions and Weight	Weight: Gross Weight: 29 lbs (13.15 kg) Net Weight: 17.6 lbs (8 kg) Available Color: Black
Operating Environment	Operating Temperature: 0°C to 35°C (32°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	<a href="#"><u>Super X14SBW-TF</u></a>
Chassis	<b>CSE-112TS-R000W NDP</b>