

WIO SuperServer SYS-512B-WR

1U UP WIO with 4 hot-swap 3.5" NVMe/SAS/SATA bays and 3 PCIe 5.0 slots



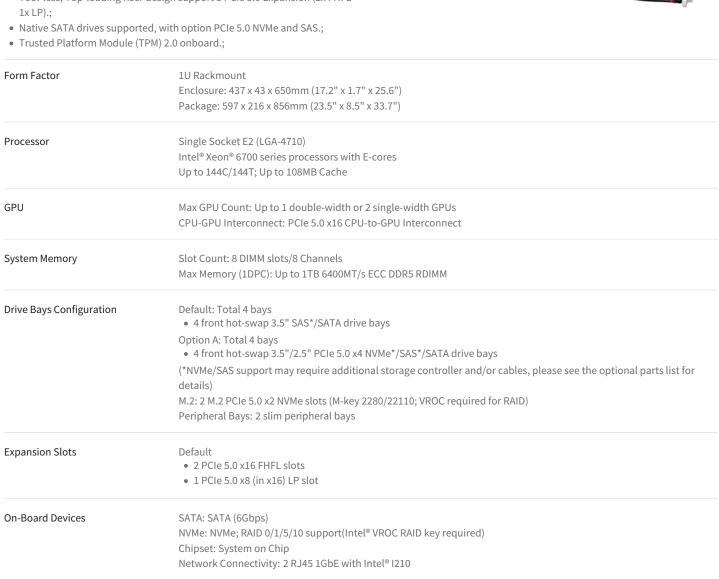
Key Applications

Enterprise Applications, General Purpose Computing, Cloud Computing, Web/Hosting Application, Network Appliance, Database/Storage, Storage Headnode, Entry GPU server,

Key Features

Input / Output

- 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 +



1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)

LAN: 2 RJ45 1 GbE LAN ports

Video: 1 VGA port Serial: 1 COM port(Rear) 1 COM port(Header)

TPM: 1 TPM header

USB: 2 USB 3.2 Gen1 Type-A ports(rear) 2 USB 3.2 Gen1 ports(Header)



(Front View - System)

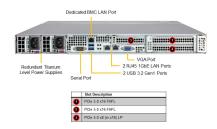
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Drive Bay Description

0 - 0 3.5° Hot-swap Pole 5.0 NVMe*/SAS3/SATA3 Drive Bays

*NVMe or SAS3 support requires additional parts from the optional parts list

(Rear View - System)



System Cooling	Fans: 1 AOC cooling Fan(s) (optional)
	5 middle cooling PWM 40x40x56mm Fan(s)
	Air Shroud: 1 CPU Air Shroud
	7.III SIII Odd. 2 Cl O7III SIII Odd
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: 34.5 lbs (15.46 kg)
	Net Weight: 21.5 lbs (9.75 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	Super X14SBW-F
Chassis	CSE-815BTS-R000WNP