

SYS-608S8495

Compact Industrial System based on Intel® Core™
Ultra processors Based Single Board Computer with 6x
USB 3.2/8x USB 2.0/4x COM Ports/Mini DP/ 2x
HDMI/Dual Gigabit LAN



FEATURES

- Intel® Core™ Ultra Series Processors in LGA1851
- Dual DDR5 6400 SO-DIMM Slots supports up to 96GB Memory
- Intel® W880 Chipset
- Dual Intel® WGI226LM Gigabit Ethernet controller
- Supports up to 4Xe Graphics Engines with 1x Mini DP and 2x HDMI Connectors
- Intel® HD Codec Audio chip on-board
- Multi I/O: 8x USB3.2 (Gen2), 8x USB2.0, 4x COM ports, 6x SATA 3.0
- Expansion Slot: 1x PCIMG 1.3 SHB, 2x PCIe x16 Slots (x8 Signal), 1x PCIe x8 Slot (x4 Signal), 4x PCI slots

Introduction

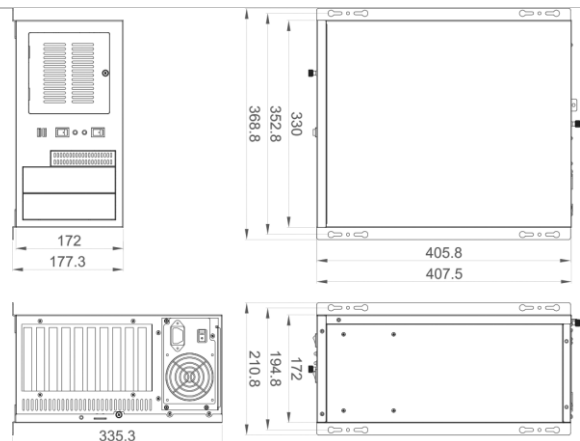
Compact Industrial System based on the Intel® Core™ Ultra 200S Series processors. Supporting DDR5 6400MT/s SO-DIMM memory up to 96GB, PCIe Gen 5, and advanced connectivity options such as dual HDMI, Mini DP display output, and dual 2.5GbE LAN.

It ensures seamless integration and scalability for applications including industrial automation control, servers, network video record (NVR), and medical systems. Its robust performance and scalable design make it a reliable choice for advancing AI workloads for demanding modern edge computing applications.

Specification

System	
Processor	- Intel® Core™ Ultra Series Processors - LGA1851 socket.
BIOS	AMI UEFI BIOS
System Memory	Dual DDR5 6400 262 pin SO-DIMM Memory module. Supports up to 96GB Memory. Supports ECC/Non-ECC, unbuffered memory
Chipset	Intel® W880 Chipset
Video	- Intel® 4Xe Graphics Engines 1x MiniDP and 2x HDMI Connectors. Support triple display. - mini-DP on bracket: Resolution up to 7680 x 4320 @ 60Hz - HDMI on bracket: Resolution up to 7680 x 4320 @ 60Hz - HDMI on board: Resolution up to 7680 x 4320 @ 60Hz
Ethernet	- Dual Intel® WGI226LM Gigabit Ethernet controller - Dual 10BASE-T / 100BASE-TX / 1000BASE-T / 2500BASE-T Ethernet - PCI Express x1 interface based on Gigabit Ethernet - Dual RJ-45 connectors with two LED indicators
On Board I/O	- Four serial ports as COM1~COM6. COM1&2 is RS232/422/485 selectable by jumper with auto-flow control. 6x SATAIII drives (Dual ports via Backplane), supports RAID 0, 1, 5, 10 - 1x M.2 Type M 2280 • Support six USB3.2 (Gen. 2) ports. • Support Eight USB2.0 ports.
Expansion	Via Backplane
Extended Interface	- From CPU: 1x PCIe x16(Gen5) or 2x PCIe x8(Gen5) and 1x PCIe x4(Gen4), setting (Gen5 up to 32 GT/s) - From PCH: 1x PCIe x4 or 4x PCIe x1 by different bios support (Gen 4 up to 16 GT/s), 4x PCI devices at 32bit 33MHz
Watchdog Timer	Programmable watchdog timer for 1~255 seconds.
CMOS	On-board RTC with 242 bytes of Battery-back CMOS RAM.
Audio	- Intel® PCH built-in High Definition Audio up to 192-kHz 32-bit - Realtek ALC888S HDA codec, 7.1 channels one on board audio pin header
Power	- One ATX-12V 8-pins connector for CPU power. - Support both AT and ATX mode.
Mechanical & Environment	
Drive bays	Totally 3 drive bay: 2x 5.25" CD and 1 x 3.5" HDD bay Drive bay equipped with anti-vibration function
Front Panel	Two USB 2.0 ports at front bezel
Motherboard	Single Board Computer
Fan	One 90mm intake fan
Power Supply	Industrial Autoranging 600W Power Supply
Expansion	8 Slot Backplane
Color	Beige
Dimension	408(D) x 330(W) x 172(H) mm
Weight	N.W: 8.0 KG.W:9.3 KGS

Mechanical & Environment	
Operating Temperature	0°~50°C
Storage Temperature	-40°~70°C
Relative Humidity	5~95%, non-condensing
Storage Humidity	5% ~ 95%
Altitude	10,000 Feet (3000 m)
Vibration (Operating)	1.5G Max
Shock	10G peak acceleration (10Msec duration)
Ordering Information	
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