

SYS-608R3M8557M

Compact Industrial System based on Intel® Core™ Arrow Lake-S Series Processor with 13x USB/ 6x COM Ports/ VGA/ HDMI/ DP/ Dual Gigabit LAN



FEATURES

- Intel® Arrow Lake-S Series Processors in Socket 1851
- Four DDR5 5600 MT/s ECC/non-ECC UDIMM slots up to 192GB
- Intel® W880 Express chipset
- Dual 2.5 Gigabit Ethernet Ports
- Integrated Intel® HD Graphics with 1x VGA, 1x HDMI and 1x DP Port connectors
- Realtek® ALC897 High Definition Audio chip on-board
- Multi I/O: 13 x USB, 6 x COM, 4 x SATA Ports & 1 x M key (Signal from CPU) 2280, 1 x M key (Signal Shared by PCIe Slot5) 2280
- Expansion Slot: 1 PCIe x16 (Gen 5) Slot or 2 PCIe x8 (Gen 5), 4 PCIe x4 (Gen 4, 1 signal from CPU, 3 signal from PCH), 1 PCI slot & 1 M.2 E key slots

Introduction

Compact Industrial System based on the Intel® W880 Express Chipset, supports Intel® Core™ Arrow Lake-S Series Processor. Integrated with Intel® HD Integrated Graphic Controller, 6x Com Port, 13x USB, 4 x SATA Ports and 2x M.2 NVMe.

Compact Industrial System is ideal for developing high-performance systems for AI EDGE Computer, Industrial PCs, Factory Automation, Defence, Digital Security & Surveillance application.

Specification

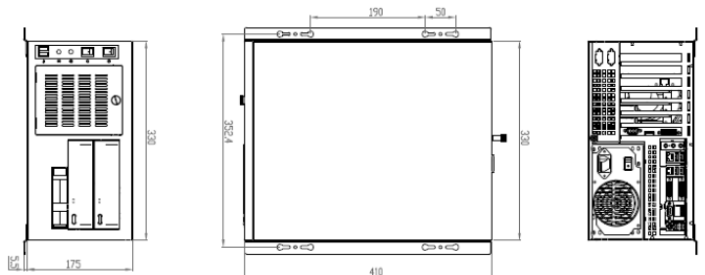
System	
Processor	• Intel® Arrow Lake-S Series Processors Processor (Max. 125W TDP)
BIOS	• AMI UEFI
System Memory	• 4x DDR5 5600 MT/s ECC/non-ECC UDIMM slots up to 192GB
Chipset	• Intel® W880 chipset
Video	• 3 independent displays • VGA up to 1920 x 1200 @60Hz • HDMI up to 4096 x 2160 @60Hz • DP up to 4096 x 2304 @60Hz
Ethernet	• 2x Intel® I226-LM 2.5 Gigabit Ethernet Ports
On Board I/O	• 6x Serial ports (COM1/2 support RS232/422/485) • 4x SATA3.0 HDD port, transmission rate up to 6Gbps, supports RAID 0/1/5/10 • 1 x M key (Signal from CPU) 2280, 1 x M key (Signal Shared by PCIe Slot5) 2280 • 13 USB: 8 x USB 3.2 Gen 2 x1 (8 x rear), 2 x USB 3.2 Gen 1 (2 x internal) & 3 x USB 2.0 (3 x internal with one Right Angle Type-A Connector) • 1x TPM port • 1x PS/2 KB/MS port
Expansion	• 1 PCIe x16 (Gen 5) Slot or 2 PCIe x8 (Gen 5) Slot • 4 PCIe x4 (Gen 4) Slot • 1x PCI slot • 1 M.2 E key slot
Watchdog Timer	• Programmable watchdog timer for 1~255 seconds.
CMOS	• On-board RTC with 242 bytes of Battery-back CMOS RAM.
Audio	• HD audio: ALC897 7.1+2 channel high definition audio controller • Support Line-out, MIC
Power	• One 24pins power connector for system power. • One ATX-12V 8-pins connector for CPU power. • Support both AT and ATX mode.
Cooling	• One CPU cooling FAN connector nearby CPU socket • Two system fan connectors for system cooling
System	
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
Form Factor	12" x 9.6" (305mm x 245mm)
Fan	One 90mm intake fan
Power Supply	Industrial Auto Ranging ATX 600W Power Supply
Dimension	410(D) x 310(W) x 175(H) mm
Weight	N.W: 8.1 KG.W:9.1 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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