

SYS-604M8556T

Compact Industrial System based on Intel® Core™
i9/i7/i5/i3 14th/13th/12th Generation Processor Based
with 11x USB/6x COM Ports/ VGA/ HDMI/ Dual Gigabit
LAN



FEATURES

- Supports Intel® 12th/ 13th Generation Core processors in LGA 1700 package
- Supports up to 64GB maximum DDR5 4800 non-ECC SO-DIMM on two sockets
- Integrated Intel® HD Graphics with VGA/HDMI/DisplayPort connectors
- High speed Dual 2.5G Gigabit Ethernet
- Support on board TPM2.
- Realtek® ALC888S High Definition Audio chip on-board
- Multi I/O: 9 x USB, 4 x COM ports, 4 x SATA, 1x M.2 2280
- Expansion Slot: 2x PCIe x16 Slots (x8 Signal), 1x PCIe x8 Slot (x4 Signal), 4x PCI slots

Introduction

Compact Industrial System based on the Intel® H610 Express Chipset, supports Intel® 14th/13th/12th Generation Core™ i9/i7/i5/i3 Processor. Integrated with Intel® HD Integrated Graphic Controller, 6x Com Port, 9x USB, 4 x SATA Ports and 1x M.2 NVMe/SATA.

Compact Industrial System is ideal for developing high-performance systems for Industrial Automation, Vision System, AI System.

Specification

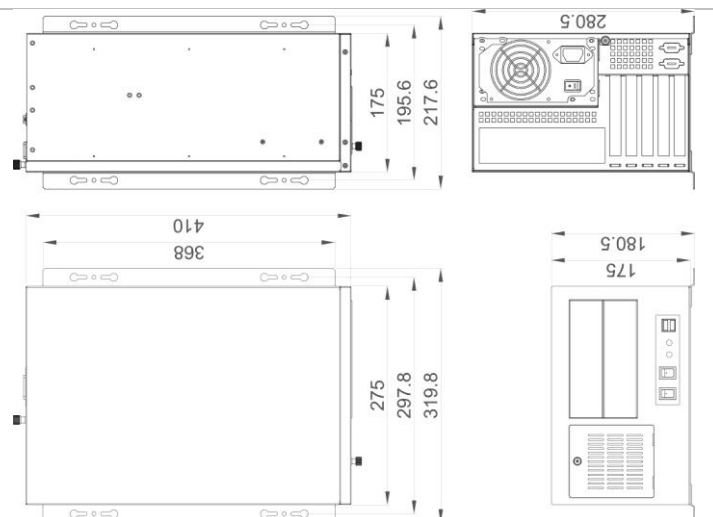
System	
Processor	- Intel® 14th/13th/12th (Raptor Lake-S/Alder Lake-S) LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor (Max. 125W TDP) - AMI 128Mb Flash ROM
BIOS	
System Memory	2x DDR4 DIMM RAM slot, 3200MHz, up to 64GB memory
Chipset	Intel® H610 chipset
Video	- Intel® HD Graphics, support DirectX12.1, OpenGL4.5, 4k display 1x VGA, support resolution max. 1920X1200@60Hz 1x HDMI1.4, support resolution max. 4096x2160 @24Hz
Ethernet	2x Intel® I210AT Gigabit LAN port, support WakeOn LAN/ PXE
On Board I/O	6x Serial ports (COM1/2 support RS232/422/485) 4x SATA3.0 HDD port, transmission rate up to 6Gbps, 1x mSATA slot, support Intel SSD ,MSATA and SATA0 optional, default SATA0 1x M.2 slot, support M.2 Key M 2280 NVMe PCIe X1 standard SSD 11 USB: 4x USB3.0, 1x Stand USB2.0, 6x USB2.0 1x LPT port, 1x TPM port, 1x SIM slot 1x PS/2 KB/MS port
Expansion	1x PCIe4.0 X16 slot 1x PCIe3.0 X4 slots (X2 signal) 2x PCI slots
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-in, Line-out, MIC
Power	- One 24pins power connector for system power. - Two 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
Motherboard	Industrial
Fan	One 90mm intake fan
Expansion	4 Slots
Color	Beige
Dimension	410(D) x 275(W) x 175(H) mm
Weight	N.W: 6.5 K G.W:7.5 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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