

SYS-608M8554T

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



FEATURES

- Intel® 14th/13th/12th Core™ i9/i7/5/3/Celeron/Pentium Processor in Socket 1700
- Four DDR4 DIMM RAM slot, 3200MHz, up to 128GB, support ECC memory
- Intel® Q670 Express chipset
- Up to 2x Gigabit Ethernet Ports
- Integrated Intel® HD Graphics with 1x VGA, 1x HDMI Port connectors
- Realtek® ALC897 High Definition Audio chip on-board
- Multi I/O: 12 x USB, 6 x COM, 8 x SATA Ports & 1x M.2 NVMe/SATA
- Expansion Slot: 1x PCIe Gen.4×16 slots, 2x PCIe Gen.4×4 slots, 4x PCI slots.

Introduction

Compact Industrial System based on the Intel® Q670 Express Chipset, supports Intel® 14th/13th/12th Generation Core™ i9/i7/5/3 Processor. Integrated with Intel® HD Integrated Graphic Controller, 6x Com Port, 12x 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)
BIOS	AMI 128Mb Flash ROM
System Memory	4x DDR4 DIMM RAM slot, 3200MHz, up to 128GB, support ECC memory
Chipset	Intel® Q670 chipset
Video	- Intel® HD Graphics, support DirectX12.1, OpenGL4.5, 4k display 1x VGA, support resolution max. 1920X1200@60Hz 2x HDMI1.4, support resolution max. 4096x2160 @24Hz
Ethernet	2x Intel® I210AT Gigabit LAN port, support Wake On LAN / PXE
On Board I/O	6x Serial ports (COM1/2 support RS232/422/485) 8x SATA3.0 HDD port, transmission rate up to 6Gbps, Support RAID 0,1,5,10 1x M.2 slot, support M.2 Key M 2280 NVMe PCIe X4 standard SSD 12 USB: 4x USB3.2 Gen 2, 2x USB 3.0, 1x TYPE-E USB3.0, 1x Stand USB2.0, 4x USB2.0 1x LPT port, 1x TPM port, 1x SIM slot 1x PS/2 KB/MS port
Expansion	1x PCIe4.0 X16 Slots 2x PCIe X4 slot (PCIe2/PCIe4 is 4.0), 1x PCIe X4 slot (PCIe5 is 3.0) 1x PCIe X1 Slot 2x PCI 1x M.2 slot, support M.2 Key B 2242/2252 4G/5G module
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

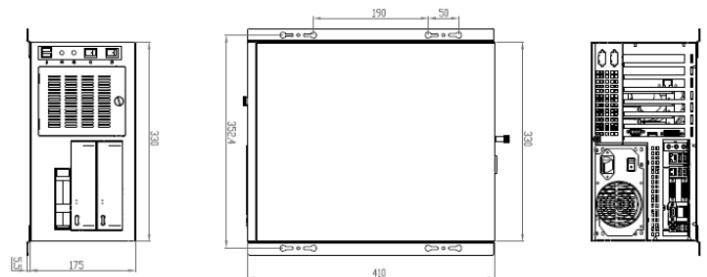
System	
Drive bays	Totally 3 drive bay: 2x 5.25" CD and 1 x 3.5" HDD bay Drive bay equipped with anti-vibration function
Front Panel	Two USB 2.0 ports at front bezel
Form Factor	12" x 9.6" (305mm x 245mm)
Fan	One 90mm intake fan
Power Supply	Industrial Auto Ranging ATX 600W Power Supply
Dimension	410(D) 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

SYS-608M8554T-C1-BB	Compact Industrial System based on Intel® Core™ i9/i7/i5/i3/Celeron/Pentium 14th/13th/12th Generation Processor with 12x USB/ 6x COM Ports/ VGA/ 1x HDMI/ Dual Gigabit LAN
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