

SYS-608M8555T

Compact Industrial System based on Intel® Core™ i9/i7/i5/i3 14th/13th/12th Generation Processor Based Industrial ATX Motherboard with 12x USB/ 6x COM Ports/ VGA/ HDMI/ & 2x Gigabit LAN



FEATURES

Intel® 14th/13th/12th Core™ i9/i7/5/3/Celeron/Pentium/ Xeon Processor in Socket 1700
Four DDR4 DIMM RAM slot, 3200MHz, up to 128GB, support ECC memory
Intel® W680 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, 4 x SATA Ports & 1x M.2 NVMe/SATA
Expansion Slot: 2x PCIe Gen.4×16 slots, 2x PCIe Gen.4×4 slots, 1x PCIe Gen.5×4 slot, 2x PCI slots, 1x M.2 Key B slot

Introduction

Compact Industrial System based on the Intel® W680 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

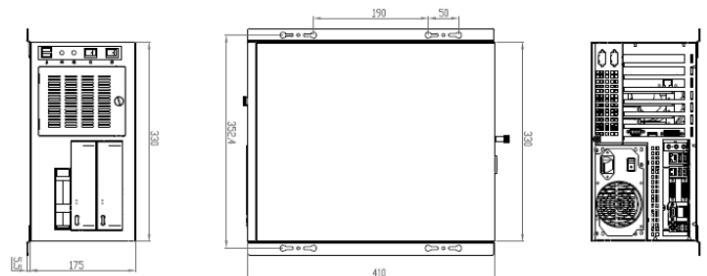
System	
Processor	- Intel® 14th/13th/12th (Raptor Lake-S/Alder Lake-S) LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron/Xeon Processor (Max. 125W TDP) - AMI 128Mb Flash ROM
BIOS	• AMI 128Mb Flash ROM
System Memory	• 4x DDR4 DIMM RAM slot, 3200MHz, up to 128GB, support ECC memory
Chipset	• Intel® W680 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) 4x SATA3.0 hard disk port, transfer speed up to 6Gbps, support RAID 0,1,5,10 1x MSATA SSD slot 1x M.2 slot, support M.2 Key M 2280 NVME PCIE X4 SSD 12 USB: 4x USB3.2 Gen.2, 2x USB3.0, 1x Type-E USB3.0, 7x USB2.0 1x LPT port, 1x TPM port, 1x SIM slot 1x PS/2 KB/MS port
Expansion	2x PCIe4.0 x16 slot (default as x8 signal; need change hardware to support x16 signal, only PCIe1 can be changed to x16 signal) 3x PCIe x4 slot, PCIE2 / PCIE4 is 4.0 · PCIE5 is 3.0 2x PCI slot 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-608M8555T-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/ HDMI/ Dual Gigabit LAN
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