SYS-SCM608R3M8497R2

FEATURES

- Intel® Core™ i7/5/3 3rd/2nd Generation Processor in Socket 1155
- Four 240-pin DIMM sockets Dual-channel DDR3 1066/1333/1600 SDRAM. Max. up to 32 GB memory
- Intel® Q77 Express chipset
- Intel® 82583V & W82579LM on board for Triple GbE LAN
- Integrated Intel® HD Graphics with VGA/HDMI/DisplayPort connectors
- RealTek® ALC887 High Definition Audio chip on-board
- Multi I/O: 10 x USB, 4 x COM ports, 6 x SATA,
- Expansion Slot: 1x PCIex16 Gen3 slot, 1x PCIex4 slot, 5x PCI slots .1x Mini-PCIe & mSATA
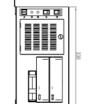
Introduction

SYS-SCM608R3M8495 Industrial Compact System is based on Intel® 4th Generation Core™ i7/5/3 Processor & Intel® H81 Chipset. SYS-SCM608R3M8495 comes equipped with 8 x USB Ports, 2x COM Ports, Dual Gigabit Ethernet & Dual Display Output (DVI & HDMI). This is an excellent cost efficient and best expandability system with providing up to 4 PCI, 1 PCIe x16 and 1 PCIe x4 slots.
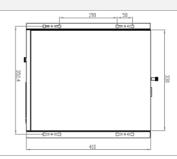
SYS-SCM608R3M8495 is very compact system and is ideally suited for high-performance systems for industrial control and Automation.

Specification

System

Processor	• LGA 1155 socket for: Intel® Core™ i7/i5/i3/ Pentium® / Celeron® processor Intel® Core™ i7-3770 (8M Cache, up to 3.9GHz); 77W Intel® Core™ i5-3550S (6M Cache, up to 3.7GHz); 65W Intel® Core™ i3-3220 (3M Cache, 3.3GHz); 55W Intel® Pentium® G2120 (3M Cache, 3.1 GHz); 65W
BIOS	• AMI 128Mbit SPI BIOS
System Memory	• Four 240pin DIMM Dual-channel DDR3 1066/1333/1600MHz (non-ECC) up to 32GB
Chipset	• Intel® Q77 Express chipset.
Video	• Intel® Core i processors integrated HD graphics engine. VGA, DVI-D, DisplayPort on rear I/O. • Support up to triple independent display with CPU.
Ethernet	• One Intel® 82579LM and One Intel® 82583V Gigabit Ethernet controllers. • Support Wake-on-LAN, teaming, fault-tolerance and remote boot. • Support iAMT 8.0
On Board I/O	• 1x Connector for PS/2 Mouse/Keyboard • 6x Serial ports (2x RS-232/422/485 selectable) • 5 Serial ATA ports 2 SATA 3.0 ports with data transfer rate up to 6Gb/s 3 SATA 2.0 ports with data transfer rate up to 3Gb/s 1 Mini PCIe socket optional support mSATA module by jumper • Integrated Advanced Host Controller Interface (AHCI) controller • Supports RAID 0/1/5/10 • 12 USB: 4 USB 3.0, 8 USB 2.0 ports (2 x rear; 6 x internal) • 8bit Digital I/O
Watchdog Timer	• Programmable watchdog timer for 1~255 seconds.
CMOS	• On-board RTC with 242 bytes of Battery-back CMOS RAM.
Audio	• RealTek ALC887 high-definition audio chip on-board. • Support Line-OUT, Line-IN, MIC, CD-IN, Surrounding and SPDIF.
Power	• One 24pins power connector for system power. • One ATX-12V 4-pins connector for CPU power. • Support both AT and ATX mode.
Cooling	• One CPU cooling FAN connector nearby CPU socket • Three system fan connectors for system cooling

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	ATX Motherboard
Fan	One 90mm intake fan
Power Supply	PS2 or hot swappable redundant P/S (Option)
Expansion	7 Slot for ATX Motherboard
Color	Beige/Black
Dimension	410(D) x 310(W)x 175(H)mm
Weight	N.W: 8.1 KG.W: 9.1 KGS
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

SCM608M8497R2-C0	Intel® Core™ i7/i5/i3 3rd/2nd Generation Processor Based Industrial ATX Motherboard with 10x USB/4x COM Ports/ VGA/ DVI/ DisplayPort/ Dual Gigabit LAN (Beige)
SCM608M8497R2-C1	Intel® Core™ i7/i5/i3 3rd/2nd Generation Processor Based Industrial ATX Motherboard with 10x USB/4x COM Ports/ VGA/ DVI/ DisplayPort/ Dual Gigabit LAN (Black)

Dimensions

* All Specifications are subjected to change without prior notice.