

# SYS-SCM608R3M8502

## Intel® Core™ i7/i5/i3 6<sup>th</sup> Generation Processor Based Compact System with 14x USB/6x COM Ports/ VGA/ DVI/ HDMI/ Dual Gigabit LAN



### FEATURES

- Intel® 6<sup>th</sup> Generation Core™ i7/5/3 Processor in Socket 1151
- Four 288pin DIMM Dual-channel DDR4 1866/2133MHz up to 64GB
- Intel® Q170 Express chipset
- Intel® i210AT & I219LM on board for Dual Gigabit Ethernet
- Integrated Intel® HD Graphics with VGA//DVI/HDMI connectors
- Realtek® ALC888S High Definition Audio chip on-board
- Multi I/O: 14 x USB, 6 x COM ports, 6 x SATA,
- Expansion Slot: 2 x PCIe x16 (1 x16 or 2 x8 signal) (Gen 3), 2 x PCIe x4 (Gen 3), 3 x PCI

### Introduction

SYS-SCM608R3M8502 Industrial Compact System is based on Intel® 6<sup>th</sup> Generation Core™ i7/5/3 Processor & Intel® Q170 Chipset. SYS-SCM608R3M8502 comes equipped with 14 x USB Ports, 6x COM Ports, Dual Gigabit Ethernet & Triple Display Output (VGA, DVI & HDMI). This is an excellent cost efficient and best expandability system with providing up to 2 x PCIe x16 (1 x16 or 2 x8 signal) (Gen 3), 2 x PCIe x4 (Gen 3), 3 x PCI.

SYS-SCM608R3M8502 is very compact system and is ideally suited for high-performance systems for industrial control and Automation.

### Specification

System	
Processor	<ul style="list-style-type: none"> <li>6<sup>th</sup> Gen Intel® Core™ Processors LGA 1151 socket for: Intel® Core™ i7-6700 Processor, 3.4GHz (4.0GHz), 65W</li> <li>Intel® Core™ i5-6500 Processor, 3.2GHz (3.6GHz), 65W</li> <li>Intel® Core™ i3-6100 Processor, 3.7GHz, 65W</li> <li>Intel® Pentium® Processor G4400, 3.3GHz, 65W</li> </ul>
BIOS	<ul style="list-style-type: none"> <li>Insyde SPI 128Mbit</li> </ul>
System Memory	<ul style="list-style-type: none"> <li>Four 288pin DIMM Dual-channel DDR4 1866/2133MHz up to 64GB</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>Intel® Q170 Express chipset.</li> </ul>
Video	<ul style="list-style-type: none"> <li>Intel® HD Gen 9 Graphics</li> <li>1 x VGA, 1 x DVI-I (DVI-D signal), 1 x HDMI on rear I/O.</li> <li>Support up to triple independent display with CPU.</li> </ul>
Ethernet	<ul style="list-style-type: none"> <li>1 x Intel® I210AT PCIe (10/100/1000Mbps), 1 x Intel® I219LM PCIe with iAMT11.0 (10/100/1000Mbps) (only Core i7/i5 supports iAMT)</li> </ul>
On Board I/O	<ul style="list-style-type: none"> <li>1x Connector for PS/2 Mouse/Keyboard</li> <li>6x Serial ports (2x RS-232/422/485 selectable)</li> <li>6 Serial ATA ports</li> <li>6 SATA 3.0 ports with data transfer rate up to 6Gb/s Supports RAID 0/1/5/10</li> <li>14 USB: 6 USB 3.0 (4 x rear; 2 x Header), 8 USB 2.0 ports (2 x rear; 6 x Header)</li> <li>8bit Digital I/O</li> </ul>
Watchdog Timer	<ul style="list-style-type: none"> <li>Programmable watchdog timer for 1~255 seconds.</li> </ul>
CMOS	<ul style="list-style-type: none"> <li>On-board RTC with 242 bytes of Battery-back CMOS RAM.</li> </ul>
Audio	<ul style="list-style-type: none"> <li>RealTek ALC888S-VD2-GR high-definition audio chip on-board.</li> <li>Support 1 x Line-out, 1 x Mic-in, SPDIF</li> </ul>
Power	<ul style="list-style-type: none"> <li>One 24pins power connector for system power.</li> <li>One ATX-12V 4-pins connector for CPU power.</li> <li>Support both AT and ATX mode.</li> </ul>
Cooling	<ul style="list-style-type: none"> <li>One CPU cooling FAN connector nearby CPU socket</li> <li>Three system fan connectors for system cooling</li> </ul>

### 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

SCM608R3M8502-C0	Intel® Core™ i7/i5/i3 6 <sup>th</sup> Generation Processor Based Compact System with 14x USB/6x COM Ports/ VGA/ DVI/ HDMI/ Dual Gigabit LAN (Beige)
SCM608R3M8502-C1	Intel® Core™ i7/i5/i3 6 <sup>th</sup> Generation Processor Based Compact System with 14x USB/6x COM Ports/ VGA/ DVI/ HDMI/ Dual Gigabit LAN (Black)

### Dimensions

