

SYS-SCM604M8506

Intel® 6th Generation Core™ i7/i5/i3 Processor
Q170 Chipset Based Compact System with 12x
USB Ports/ 6x COM Ports/ VGA/ DisplayPort/ DVI-
I/ Dual Gigabit LAN



FEATURES

- Intel® 6th Generation Core™ i7/i5/i3 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 GbE LAN
- Integrated Intel® HD Graphics with VGA/DVI-I connectors
- Realtek® ALC888S 5.1 Channel High Definition Audio chip on-board
- Multi I/O: 12 x USB Ports, 6 x COM Ports, 4 x SATA 3.0
- Expansion Slot: 1 x PCIe x16 (Gen 3), 1 x PCIe x4 (Gen 2), 2 x PCI, 1 x Full-size Mini PCIe.

Introduction

SYS-SCM604M8506 Compact System based on the Intel® H110 Chipset, supports Intel® 6th Generation Core™ i7/i5/i3 Processor. Integrated with Intel® HD Integrated Graphic Controller, 6x Com Port, 9x USB, 4x SATA 3.0

SYS-SCM604M8506 is ideal for developing high-performance systems for industrial Automation and control.

Specification

System	
Processor	<ul style="list-style-type: none"> • 6th Gen Intel® Core™ Processors LGA 1151 socket for: Intel® Core™ i7-6700 Processor, 3.4GHz (4.0GHz), 65W • Intel® Core™ i5-6500 Processor, 3.2GHz (3.6GHz), 65W • Intel® Core™ i3-6100 Processor, 3.7GHz, 65W • Intel® Pentium® Processor G4400, 3.3GHz, 65W
BIOS	<ul style="list-style-type: none"> • Insyde SPI 128Mbit
System Memory	<ul style="list-style-type: none"> • Two 288pin DIMM Dual-channel DDR4 1866/2133MHz up to 32GB
Chipset	<ul style="list-style-type: none"> • Intel® Q170 Chipset
Video	<ul style="list-style-type: none"> • Intel® HD Gen 9 Graphics • 1 x VGA, 1 x DVI-I (DVI-D signal), 1 x DisplayPort on rear I/O. • Support up to triple independent display with CPU.
Ethernet	<ul style="list-style-type: none"> • 1 x Intel® I210AT PCIe (10/100/1000Mbps), • 1 x Intel® I219LM PCIe (10/100/1000Mbps)
On Board I/O	<ul style="list-style-type: none"> • 1x Connector for PS/2 Mouse/Keyboard • 6x Serial ports (2x RS-232/422/485 selectable) • 4 Serial ATA ports • 4 SATA 3.0 ports with data transfer rate up to 6Gb/s • Supports RAID 0,1,10,5 • 12 USB: 6 USB 3.0 (4 x rear, 2x Header), 6 USB 2.0 ports (2 x rear; 4 x Header) • 8bit Digital I/O
Watchdog Timer	<ul style="list-style-type: none"> • Programmable watchdog timer for 1~255 seconds.
CMOS	<ul style="list-style-type: none"> • On-board RTC with 242 bytes of Battery-back CMOS RAM.
Audio	<ul style="list-style-type: none"> • RealTek ALC888S-VD2-GR high-definition audio chip on-board. • Support 1 x Line-out, 1 x Mic-in, SPDIF
Power	<ul style="list-style-type: none"> • One 24pins power connector for system power. • One ATX-12V 4-pins connector for CPU power. • Support both AT and ATX mode.
Cooling	<ul style="list-style-type: none"> • 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	uATX Motherboard
Fan	One 90mm intake fan
Power Supply	PS2 or hot swappable redundant P/S (Option)
Expansion	4 Slot for uATX Motherboard
Color	Beige/Black
Dimension	410(D) x 275(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

SYS-SCM604M8506-C0	Intel® 6 th Generation Core™ i7/i5/i3 Processor Q170 Chipset Based Compact System with 12x USB Ports/ 6x COM Ports/ VGA/ Displayport/ DVI-I/ Dual Gigabit LAN (Beige)
SYS-SCM604M8506-C1	Intel® 6 th Generation Core™ i7/i5/i3 Processor Q170 Chipset Based Compact System with 12x USB Ports/ 6x COM Ports/ VGA/ Displayport/ DVI-I/ Dual Gigabit LAN (Black)

