

# SYS-SR2000R2M8495

## Intel® 4<sup>th</sup> Generation Core™ i7/5/3 Processor H81 Chipset Based 2U Rack Mount System with 8x USB/2x COM Ports/HDMI/DVI/Dual Gigabit LAN



### FEATURES

- Intel® 4<sup>th</sup> Generation Core™ i7/5/3 Processor in Socket 1150
- Two 240-pin DIMM sockets Dual-channel DDR3 1066/1333/1600 SDRAM. Max. up to 16 GB memory
- Intel® H81 Express chipset
- Intel® I210 & I217LM on board for Dual GbE LAN
- Integrated Intel® HD Graphics with VGA/DVI-I connectors
- RealTek® ALC886 5.1 Channel High Definition Audio chip on-board
- Multi I/O: 8 x USB ports, 2 x COM ports, 2 x SATA3.0, 2 x SATA2.0
- Expansion Slot: 1 PCIe x16, 1 PCIe x4 (x1 signal), 1 PCIe x1, 4 PCI, 1 Mini PCIe

### Introduction

SYS-SR2000R2M8495 Industrial 2U Rack Mount System is based on Intel® 4<sup>th</sup> Generation Core™ i7/5/3 Processor & Intel® H81 Chipset. SYS-SR2000R2M8495 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-SR2000R2M8495 is very 2U Rack Mount System and is ideally suited for high-performance systems for industrial control and Automation.

### Specification

System	
Processor	<ul style="list-style-type: none"> <li>LGA 1150 socket for:</li> <li>4<sup>th</sup> Generation Intel® Core™ processors (22nm process technology)</li> <li>Intel® Core™ i3-4330 (3M Cache, 3.5 GHz); 54W</li> <li>Intel® Core™ i3-4330TE (3M Cache, up to 2.4 GHz); 35W</li> <li>Intel® Pentium™ G3420 (3M Cache, 3.2 GHz); 54W</li> <li>Intel® Pentium™ G3320TE (3M Cache, 2.3 GHz); 35W</li> </ul>
BIOS	<ul style="list-style-type: none"> <li>AMI BIOS - 64Mbit SPI BIOS</li> </ul>
System Memory	<ul style="list-style-type: none"> <li>Two 240-pin DDR3/DDR3L DIMM sockets</li> <li>Supports DDR3/DDR3L 1333/1600MHz</li> <li>Supports dual channel memory interface</li> <li>Supports up to 16GB system memory DRAM device technologies: 1Gb, 2Gb and 4Gb DDR3 DRAM technologies are supported for x8 and x16 devices, unbuffered, non-ECC</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>Intel® H81 Express Chipset</li> </ul>
Video	<ul style="list-style-type: none"> <li>Intel® HD Graphics</li> <li>Display ports: HDMI and DVI-I</li> <li>DVI-I supports up to 1920x1200 @ 60Hz resolution</li> <li>HDMI supports up to 4096x2304 @ 24Hz resolution or 2560x1600 @ 60Hz resolution</li> <li>VGA display resolution up to 1920x1200 pixels with 24-bit color @ 60Hz</li> <li>Supports 6 Graphics Execution Units (EUs)</li> <li>Intel® Clear Video Technology</li> <li>DirectX Video Acceleration (DXVA) support for accelerating video processing</li> </ul>
Ethernet	<ul style="list-style-type: none"> <li>Intel® I210 PCI Express Gigabit Ethernet controller</li> <li>Intel® I217LM with iAMT9.0 Gigabit Ethernet Phy</li> <li>Integrated 10/100/1000 transceiver</li> <li>Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab</li> </ul>
On Board I/O	<ul style="list-style-type: none"> <li>1x Connector for PS/2 Mouse/Keyboard</li> <li>2 x Serial ports (2x RS-232/422/485 selectable)</li> <li>2 SATA 3.0 ports with data transfer rate up to 6Gb/s</li> <li>2 SATA 2.0 ports with data transfer rate up to 3Gb/s</li> <li>Integrated Advanced Host Controller Interface (AHCI) controller</li> <li>8 USB: 2 USB 3.0, 6 USB 2.0 ports</li> <li>1x 8 bit 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® ALC886 5.1-channel High Definition Audio</li> <li>Audio outputs: Mic-in/Center+Subwoofer, line-in/surround and line-out</li> <li>S/PDIF audio interface</li> </ul>
Power	<ul style="list-style-type: none"> <li>One 24pins power connector for system power.</li> <li>One ATX-12V 8-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> </ul>

### Mechanical & Environment

Drive bays	<ul style="list-style-type: none"> <li>Totally 5 drive bay:</li> <li>2x 5.25" CD and 2 x 3.5" HDD bay</li> <li>drive bay equipped with anti-vibration function</li> </ul>
Front Panel	<ul style="list-style-type: none"> <li>Two USB 2.0 ports at front bezel</li> </ul>
Motherboard	<ul style="list-style-type: none"> <li>ATX, uATX, Mini ITX Motherboards</li> </ul>
Fan	<ul style="list-style-type: none"> <li>1 x 80 mm, 2 x 60mm</li> </ul>
Riser	<ul style="list-style-type: none"> <li>3x PCI riser card or 2x PCI + 1x PCIe x16 riser card</li> </ul>
Power Supply	<ul style="list-style-type: none"> <li>Industrial 400W/500W Auto Ranging Power Supply</li> </ul>
Color	<ul style="list-style-type: none"> <li>Beige/Black</li> </ul>
Dimension	<ul style="list-style-type: none"> <li>483 x 462 x 88 mm</li> </ul>
Weight	<ul style="list-style-type: none"> <li>N.W: 8.0KGS G.W:10.0KGS</li> </ul>
Operating Temperature	<ul style="list-style-type: none"> <li>0°~60°C</li> </ul>
Storage Temperature	<ul style="list-style-type: none"> <li>-40°~70°C</li> </ul>
Relative Humidity	<ul style="list-style-type: none"> <li>5~95%, non-condensing</li> </ul>
Storage Humidity	<ul style="list-style-type: none"> <li>5% ~ 95%</li> </ul>
Altitude	<ul style="list-style-type: none"> <li>10,000 Feet (3000 m)</li> </ul>
Vibration (Operating)	<ul style="list-style-type: none"> <li>1.5G Max</li> </ul>
Shock	<ul style="list-style-type: none"> <li>10G peak acceleration (10Msec duration)</li> </ul>

### Ordering Information

SYS-SR2000R2M8495-C1	Intel® 4 <sup>th</sup> Generation Core™ i7/5/3 Processor H81 Chipset Based 2U Rack Mount System with 8x USB/2x COM Ports/HDMI/DVI/Dual Gigabit LAN (Black)
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### Optional

TC-400PA	Industrial 400W PS/2 Auto Ranging Power Supply
TC-500PA	Industrial 500W PS/2 Auto Ranging Power Supply
Riser-321	2x PCI + 1x PCIe x16 riser card
Riser-320	3x PCI riser card

### Dimensions

