RPC-Ci170-N7088

Intel® 4th Generation Core™ i7/i5/i3/ Celeron® Processor Socket 1150 Desktop Processor Q87 Chipset Based 17" LCD Rack Mount PC with 4 USB 2.0/6 USB 3.0/4x COM Ports/VGA /Dual Gigabit LAN

FEATURES

- Intel® 4th Generation Intel® Core™ i7/i5/i3 Processor in Socket 1150
- Two 240-pin DIMM sockets Dual-channel DDR3 1066/1333/1600 SDRAM. Max. up to 16 GB memory
- Intel® Q87 Express chipset
- Intel® I210 & I217LM on board for Dual GbE LAN
- Integrated Intel® HD Graphics with DVI-I/DisplayPort connectors
- Realtek® ALC888 High Definition Audio chip on-board
- Multi I/O: 6x USB 3.0, 4x USB 2.0, 4x COM ports, 4x SATA 3.0
- Expansion Slot: 1 PCIe x16, 2 Mini PCIe socket
- Bay: 1x Slim SATA DVDRW, 2x 2.5" HDD (Internal) Bays
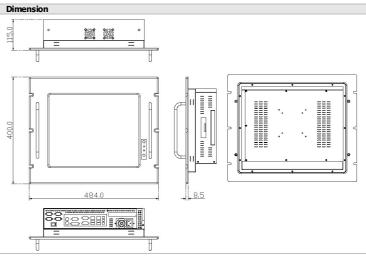
Introduction

RPC-Ci170-N7088 Industrial Rack Mount PC supporting Intel® Core™ i7/i5/i3 Processor Socket 1150 Desktop Processor. RPC-Ci170-N7088 comes with 17" LCD Display. RPC-Ci170X-N7088 supports one Slim DVDRW and Two 2.5" Hard Disk, 4x COM Port, 4 x USB 2.0, 6 x USB 3.0 and one PCIe x16 expansion slot.
RPC-Ci170-N7088 is ideal for developing high-performance systems for industrial control and Automation, retail, gaming, print imaging and digital signage.

Specification

Model	RPC-Ci170-N7088
LCD	
Resolution	1280x1024 (SXGA)
Brightness	350 cd/m²
Contrast Ratio	1000:1
Viewing Angle	170/160
Backlight	LED
Backlight MTBF	50000Hrs
System	
Processor	• 4th Generation Intel® Core™ processors (22nm process technology) • LGA 1150 socket
BIOS	• uEFI BIOS. 64Mbit FlashROM with DOS and Windows update utility support.
System Memory	• Four 240-pin DDR3/DDR3L DIMM sockets • Supports DDR3/DDR3L 1333/1600MHz when operating at 1.5V • Supports dual channel memory interface • 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
Chipset	• Intel® Q87 Express Chipset
Video	• Intel® HD Graphics • Display ports: DisplayPort and DVI-I • DVI-I supports up to 1920x1200 @ 60Hz resolution • DisplayPort supports up to 3840x2160@60Hz resolution • VGA display resolution up to 1920x1200 pixels with 24-bit color@ 60Hz • Intel® Clear Video Technology • Supports 20 Graphics Execution Units (EUs) • Intel® Advanced Vector Extensions (Intel® AVX) Instructions • DirectX Video Acceleration (DXVA) support for accelerating video processing • Supports DirectX 11.1 and OpenGL 4.0
Ethernet	• Intel® I210 PCI Express Gigabit Ethernet controller • Intel® I217LM with iAMT9.0 Gigabit Ethernet Phy • Integrated 10/100/1000 transceiver • Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
On Board I/O	• 1x Connector for PS/2 Mouse/Keyboard • 4 x Serial ports (1x RS-232/422/485 selectable) • 1 x SPDIF • 4 SATA 3.0 ports with data transfer rate up to 6Gb/s • Integrated Advanced Host Controller Interface (AHCI) controller • RAID 0, 1, 5, 10 • 10 USB: 6 USB 3.0, 4USB 2.0 ports • 1x 8 bit 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® ALC888 High Definition Audio • Audio outputs: Mic-in,line-in and line-out • SPDIF audio interface
Power	• Standard 20Pin + 4pin ATX power supply • Support both AT and ATX mode.
Cooling	• One CPU cooling FAN connector nearby CPU socket • One system cooling FAN connectors for chassis or power supply cooling.
Power Requirement	
Power Supply	• Industrial Auto Range 300W Power Supply

Mechanical & Environment

Drive Bay	• One Slim DVDRW & Two 2.5" Hard Disk Bays
Dimension	• 484(W) x 400(H) x 115(D) mm
Weight	• Gross 13kg
Operation temperature	• 0℃ to 60℃ (32° F to 140° F)
Storage temperature	• -20℃ to 80℃ (-68° F to 176° F)
Relative humidity	• 5% to 95% (Non-Condensing)
Vibration	• 5-17Hz 0.1" double amplitude displacement • 17-640Hz 1.5G Acceleration peak to peak
Shock	• 10G acceleration peak to peak (11ms)
Additional Chassis FAN	-
Front Bezel protection	• IP65 Compliant

Ordering Information

RPC-Ci170-N7088-C100	Intel® 4th Generation Core™ i7/i5/i3 Processor Socket 1150 Desktop Processor Q87 Chipset Based 17" LCD Rack Mount PC 350cd/m² with 4 USB 2.0/6 USB 3.0/4x COM Ports/VGA /Dual Gigabit LAN, 300W Power Supply ARG Protection and Sensor & Slim Socket 1150 CPU Cooler
RPC-Ci170-N7088-C101	Intel® 4th Generation Core™ i7/i5/i3 Processor Socket 1150 Desktop Processor Q87 Chipset Based 17" LCD Rack Mount PC 350cd/m² with 4 USB 2.0/6 USB 3.0/4x COM Ports/VGA /Dual Gigabit LAN, 300W Power Supply/USB Touch Screen Controller and Sensor & Slim Socket 1150 CPU Cooler
RPC-Ci170-N7088-C102	Intel® 4th Generation Core™ i7/i5/i3 Processor Socket 1150 Desktop Processor Q87 Chipset Based 17" LCD Rack Mount PC 350cd/m² with 4 USB 2.0/6 USB 3.0/4x COM Ports/VGA /Dual Gigabit LAN, 300W Power Supply/RS-232 Touch Screen Controller and Sensor & Slim Socket 1150 CPU Cooler

Dimension

115.0

400.0

484.0

8.5