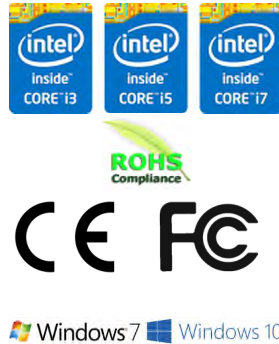


# PPC-Ci150-N7088

Intel® 4<sup>th</sup> Generation Core™ i7/i5/i3 Processor  
 Socket 1150 Desktop Processor Q87 Chipset  
 Based 15" LCD Panel PC 4 USB 2.0/ 6x USB 3.0/  
 4x COM Ports/ DisplayPort / DVI-I / Dual Gigabit  
 LAN



## FEATURES

- Intel® 4<sup>th</sup> 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: 2x 2.5" HDD (Internal) Bays

## Introduction

PPC-Ci150-N7088 Industrial Panel PC supporting Intel® 4<sup>th</sup> Generation Core™ i7/i5/i3 Processor Socket 1150 Desktop Processor. PPC-Ci150-N7088 comes with 15" LCD Display. PPC-Ci150X-N7088 supports two 2.5" Hard Disk, 4x COM Port, 6 x USB 3.0, 4 x USB 2.0 and one PCIe x16 expansion sbt. PPC-Ci150-N7088 is ideal for developing high-performance systems for industrial control and Automation, retail, gaming, print imaging and digital signage.

## Specification

Model	PPC-Ci150-N7088
<b>LCD</b>	
Resolution	1024x768 (XGA)
Brightness	350 cd/m <sup>2</sup>
Contrast Ratio	700:1
Viewing Angle	160/140
Backlight	LED
Backlight MTBF	30000Hrs
<b>System</b>	
Processor	<ul style="list-style-type: none"> <li>• 4<sup>th</sup> Generation Intel® Core™ processors (22nm process technology)</li> <li>• LGA 1150 socket</li> </ul>
BIOS	<ul style="list-style-type: none"> <li>• uEFI BIOS. 64Mbit FlashROM with DOS and Windows update utility support.</li> </ul>
System Memory	<ul style="list-style-type: none"> <li>• Four 240-pin DDR3/DDR3L DIMM sockets</li> <li>• Supports DDR3/DDR3L 1333/1600MHz when operating at 1.5V</li> <li>• Supports dual channel memory interface</li> <li>• Supports up to 16GB system memory</li> <li>• 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® Q87 Express Chipset</li> </ul>
Video	<ul style="list-style-type: none"> <li>• Intel® HD Graphics</li> <li>• Display ports: DisplayPort and DVI-I</li> <li>• DVI-I supports up to 1920x1200 @ 60Hz resolution</li> <li>• DisplayPort supports up to 3840x2160@60Hz resolution</li> <li>• VGA display resolution up to 1920x1200 pixels with 24-bit color@ 60Hz</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>• 4 x Serial ports (1x RS-232/422/485 selectable )</li> <li>• 1 x SPDIF</li> <li>• 4 SATA 3.0 ports with data transfer rate up to 6Gb/s</li> <li>• Integrated Advanced Host Controller Interface (AHCI) controller</li> <li>• RAID 0, 1, 5, 10</li> <li>• 10 USB: 6 USB 3.0, 4USB 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® ALC888 High Definition Audio</li> <li>• Audio outputs: Mic-in, line-in and line-out</li> <li>• SPDIF audio interface</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Standard 20Pin + 4pin ATX power supply</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>• One system cooling FAN connectors for chassis or power supply cooling.</li> </ul>
<b>Power Requirement</b>	
Power Supply	<ul style="list-style-type: none"> <li>• Industrial Auto Range 300W Power Supply</li> </ul>

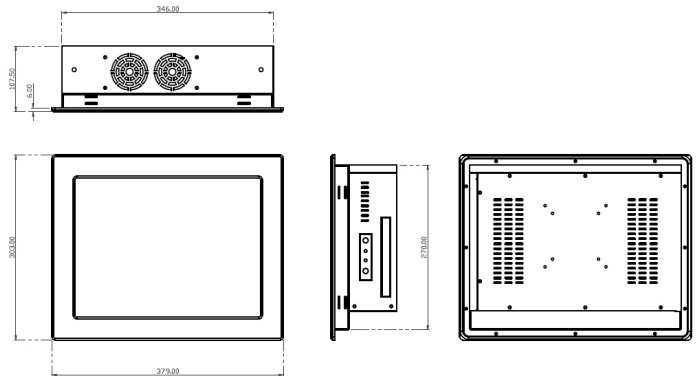
## Mechanical & Environment

Drive Bay	• Two 2.5" Hard Disk Bays
Dimension	• 379(W) x 303(H) x 107.50(D) mm
Weight	• Gross 11kg
Operation temperature	• 0°C to 60°C (32° F to 140° F)
Storage temperature	• -20°C to 80°C (-68° F to 176° F)
Relative humidity	• 5% to 95% (Non-Condensing)
Additional Chassis FAN	-
Front Bezel protection	• IP65 Compliant

## Ordering Information

PPC-Ci150-N7088-C101	Intel® 4 <sup>th</sup> Generation Core™ i7/i5/i3 Processor Socket 1150 Desktop Processor Q87 Chipset Based 15" LCD Panel PC 300cd/m <sup>2</sup> with 6 USB 3.0/ 4 USB 2.0/ 4 COM Ports/ VGA / Dual Gigabit LAN, 300W Power Supply/USB Touch Screen Controller and Sensor & Slim Socket 1150 CPU Cooler
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## Dimension



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