

# PPC-Ci150-N7089

Intel® 4<sup>th</sup> Generation Intel® i7 -4700EQ Mobile Processor QM87 Chipset Based 15" LCD Panel PC with 4 USB 2.0/6 USB 3.0/6x COM Ports/DVI-I /Display Port/ Two Gigabit LAN



## Introduction

PPC-Ci150-N7089 Industrial Panel PC supporting Intel® 4<sup>th</sup> Generation Intel® i7 -4700EQ Mobile Processor. PPC-Ci150-N7089 comes with 15" LCD Display. PPC-Ci150-N7089 supports one Slim DVDRW and Two 2.5" Hard Disk, 6x Com Port, 4 x USB 2.0, 6 x USB 3.0, 2 Mini PCIe socket and one PCIe x16 expansion slot.

PPC-Ci150-N7089 is ideal for developing high-performance systems for industrial control and Automation, retail, gaming, print imaging and digital signage.

## Specification

LCD	
Model	PPC-Ci150-N7089
Resolution	1024x768 (XGA)
Brightness	350 cd/m <sup>2</sup>
Contrast Ratio	700:1
Viewing Angle	160/140
Backlight	LED
Backlight MTBF	50000Hrs
System	
Processor	• Intel® 4 <sup>th</sup> Generation Intel® i7 -4700EQ Mobile Processor
BIOS	• Phoenix SecureCore BIOS
System Memory	• Two DDR3 1333/1600 SO-DIMM up to 16 GB
Chipset	• Mobile Intel® QM87 Express chipset
Video	• Intel® Mobile Core i processors 4 <sup>th</sup> Generation Integrated HD Graphics engine. • DVI-I, Display Port on rear I/O. Internal One VGA (Header), One LVDS (Header) for Triple Display
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	• Six serial ports as COM1~COM6. COM1 is RS232/422/485 selectable by jumper with auto-flow control. Four Rear and two internal header • Four SATA-III support IDE, AHCI, RAID. • Support four USB3.0 ports rear I/O and Two USB 3.0 Header • Support Four USB2.0 ports header. • 8bits Digital I/O. header • One SMBus interface, • PS2 KB and MS.
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 chip on-board. • Support Line-OUT, Line-IN, MIC, SPDIF, CD-IN and Surrounding sounds with pin-headers.
Power	• One 20pins power connector for system power. • One ATX-12V 4-pins connector for CPU power. • 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	• 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)
Vibration	• 5-17Hz 0.1" double amplitude displacement • 17-640Hz 1.5G Acceleration peak to peak • 10G acceleration peak to peak (11ms)
Shock	• 10G acceleration peak to peak (11ms)
Additional Chassis FAN	-
Front Bezel protection	• IP65 Compliant

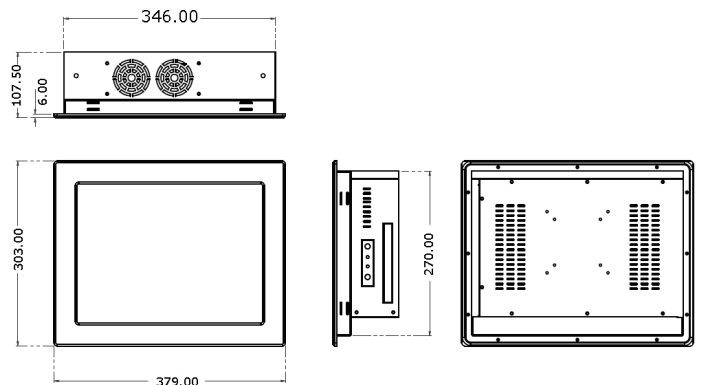
## FEATURES

- Intel® 4<sup>th</sup> Generation Intel® i7 -4700EQ Processor in Socket FCBGA1364
- Two 240-pin SO-DIMM sockets Dual-channel DDR3 1333/1600 SDRAM. Max. up to 16 GB memory
- Intel® QM87 Express chipset
- Intel® I210 & I217LM on board for Dual GbE LAN
- Integrated Intel® HD Graphics with VGA/DVI-I/DisplayPort connectors
- Realtek® ALC888 High Definition Audio chip on-board
- Multi I/O: 6x USB 3.0, 4x USB 2.0, 6x 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

## Ordering Information

PPC-Ci150-N7089-C100	Intel® 4 <sup>th</sup> Generation Intel® i7 -4700EQ Mobile Processor QM87 Chipset Based 15" LCD Panel PC with 350cd/m <sup>2</sup> 6 USB 2.0/4 USB 3.0/6x COM Ports/VGA /Triple Gigabit LAN, 300W Power Supply ARG Protection.
PPC-Ci150-N7089-C101	Intel® 4 <sup>th</sup> Generation Intel® i7 -4700EQ Mobile Processor QM87 Chipset Based 15" LCD Panel PC with 350cd/m <sup>2</sup> 6 USB 2.0/4 USB 3.0/6x COM Ports/VGA /Triple Gigabit LAN, 300W Power Supply/USB Touch Screen Controller and Sensor
PPC-Ci150-N7089-C102	Intel® 4 <sup>th</sup> Generation Intel® i7 -4700EQ Mobile Processor QM87 Chipset Based 15" LCD Panel PC with 350cd/m <sup>2</sup> 6 USB 2.0/4 USB 3.0/6x COM Ports/VGA /Triple Gigabit LAN, 300W Power Supply/RS232 Touch Screen Controller and Sensor

## Dimension



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