

# PPC-Ci190-N7091

Intel® 6<sup>th</sup> Generation Core™ i7/ i5/ i3/ Xeon®  
E3-1200v5 Socket 1151 Desktop Processor Q236  
Chipset Based 19" LCD Panel PC with 4 USB 2.0/6  
USB 3.0/6x COM Ports/DVI /Dual Gigabit LAN



## FEATURES

- Intel® 6<sup>th</sup> Generation Core™ i7/ i5/ i3/ Xeon® E3-1200v5 Desktop socket 1151
- Intel® Q236 Express chipset
- Two DDR4 DIMM 1866 / 2133 MHz up to 32GB
- One Intel® I210 Gigabit LAN and 1 x Intel® I219-LM Gigabit PHY LAN
- Intel® Core™ integrated HD Graphics 530 Technology
- Realtek® ALC262 High-Definition Audio chip on-board
- Multi I/O: 4x USB 2.0, 6x USB 3.0, 6x COM ports, 4x SATA
- Expansion: PCIe x16 slot, 1x Mini-PCIe socket & 1x Half Size Mini PCIe socket
- Bay: 1x Slim SATA DVD/CDRW, 2x 2.5" HDD (Internal) Bays

## Introduction

PPC-Ci190-N7091 Industrial Panel PC supporting Intel® 6<sup>th</sup> Generation Intel® Skylake™ i7 / i5 / i3 series and Xeon® E3-1200 v5 Desktop Processor. PPC-Ci190-N7091 comes with 19" LCD Display. PPC-Ci190X-N7091 supports one Slim DVD/CDRW and Two 2.5" Hard Disk, 6x COM Port, 4 x USB 2.0, 6 x USB 3.0 and one PCIe x16 expansion slot.

PPC-Ci190-N7091 is ideal for developing high-performance systems for industrial control and Automation, retail, gaming, print imaging and digital signage.

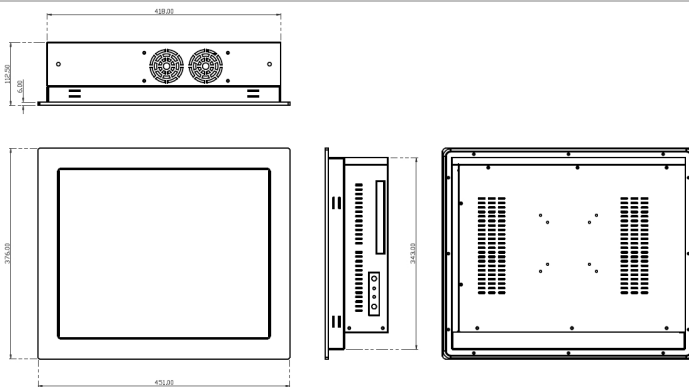
## Specification

Model	PPC-Ci190-N7091
<b>LCD</b>	
Resolution	1280x1024 (SXGA)
Brightness	300 cd/m2
Contrast Ratio	1000:1
Viewing Angle	178/178
Backlight	LED
Backlight MTBF	35000Hrs
<b>System</b>	
Processor	<ul style="list-style-type: none"><li>6<sup>th</sup> Generation Intel® Skylake™ i7 / i5 / i3 series and Xeon® E3-1200 v5 Desktop Processor.</li><li>Intel® Core™ i7-6700T Processor (8M Cache, up to 3.60 GHz)</li><li>Intel® Core™ i5-6600T Processor (6M Cache, up to 3.50 GHz)</li><li>Intel® Core™ i3-6300T Processor (4M Cache, 3.30 GHz)</li><li>Intel® Xeon® Processor E3-1275 v5 (8M Cache, 3.60 GHz)</li><li>Package Type: FCLGA1151</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>Two DDR4 1866/2133 Mhz DIMM Module up to 32GB</li><li>Supports Non ECC Memory only</li></ul>
Chipset	<ul style="list-style-type: none"><li>Intel® Q236 Express chipset</li></ul>
Video	<ul style="list-style-type: none"><li>Intel® Core™ integrated HD Graphics 530 Technology</li><li>Onboard 15-pin CRT interface</li><li>Onboard DVI connector</li><li>Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply</li><li>Onboard Display port connector</li></ul>
Ethernet	<ul style="list-style-type: none"><li>One Intel® I210 Gigabit LAN and 1 x Intel® I219-LM Gigabit PHY LAN</li><li>Support Wake-on-LAN, Remote Boot with PXE and RTL.</li></ul>
On Board I/O	<ul style="list-style-type: none"><li>Four serial ports as COM1~COM6. One COM Port is RS232/422/485 selectable by jumper with auto-flow control.</li><li>Four SATA-III ports (Support RAID 0, 1, 5, 10 and Intel Rapid Storage Technology.)</li><li>Support Six USB3.0 ports. Four ports are on rear I/O.</li><li>Support Four USB2.0 ports. Two ports are on rear I/O.</li><li>8bits Digital I/O</li><li>One SMBus interface</li><li>PS2 KB and MS. (Optional)</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® ALC262 High-Definition Audio chip on-board.</li><li>Support Line-in, MIC-in, Front, Rear, Center/Subwoofer</li></ul>
TPM	<ul style="list-style-type: none"><li>Infineon TPM 1.2 on board supports security functions</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>
<b>Power Requirement</b>	
Power Supply	<ul style="list-style-type: none"><li>Industrial Auto Range 300W Power Supply</li></ul>
<b>Mechanical &amp; Environment</b>	
Drive Bay	<ul style="list-style-type: none"><li>One Slim DVD/CDRW &amp; Two 2.5" Hard Disk Bays</li></ul>
Dimension	<ul style="list-style-type: none"><li>451(W) x 376(H) x 112.5(D) mm</li></ul>
Weight	<ul style="list-style-type: none"><li>Gross 15kg</li></ul>
Operation temperature	<ul style="list-style-type: none"><li>0°C to 60°C (32° F to 140° F)</li></ul>
Storage temperature	<ul style="list-style-type: none"><li>-20°C to 80°C (-68° F to 176° F)</li></ul>
Relative humidity	<ul style="list-style-type: none"><li>5% to 95% (Non-Condensing)</li></ul>
Additional Chassis FAN	<ul style="list-style-type: none"><li>2x 40mm</li></ul>
Front Bezel protection	<ul style="list-style-type: none"><li>IP65 Compliant</li></ul>

## Ordering Information

PPC-Ci190-N7091-C100	Intel® 6 <sup>th</sup> Generation Intel® Skylake™ i7 / i5 / i3 series and Xeon® E3-1200 v5 Desktop Processor Q236 Chipset Based 19" LCD Panel PC 300cd/m <sup>2</sup> with 4 USB 2.0/6 USB 3.0/6x COM Ports/VGA /Dual Gigabit LAN, 300W Power Supply ARG Protection and Sensor & Slim Socket 1155 CPU Cooler
PPC-Ci190-N7091-C101	Intel® 6 <sup>th</sup> Generation Intel® Skylake™ i7 / i5 / i3 series and Xeon® E3-1200 v5 Desktop Processor Q236 Chipset Based 19" LCD Panel PC 300cd/m <sup>2</sup> with 4 USB 2.0/6 USB 3.0/6x COM Ports/VGA /Dual Gigabit LAN, 300W Power Supply/USB Touch Screen Controller and Sensor & Slim Socket 1155 CPU Cooler
PPC-Ci190-N7091-C102	Intel® 6 <sup>th</sup> Generation Intel® Skylake™ i7 / i5 / i3 series and Xeon® E3-1200 v5 Desktop Processor Q236 Chipset Based 19" LCD Panel PC 300cd/m <sup>2</sup> with 4 USB 2.0/6 USB 3.0/6x COM Ports/VGA /Dual Gigabit LAN, 300W Power Supply/RS-232 Touch Screen Controller and Sensor & Slim Socket 1155 CPU Cooler

## Dimension



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