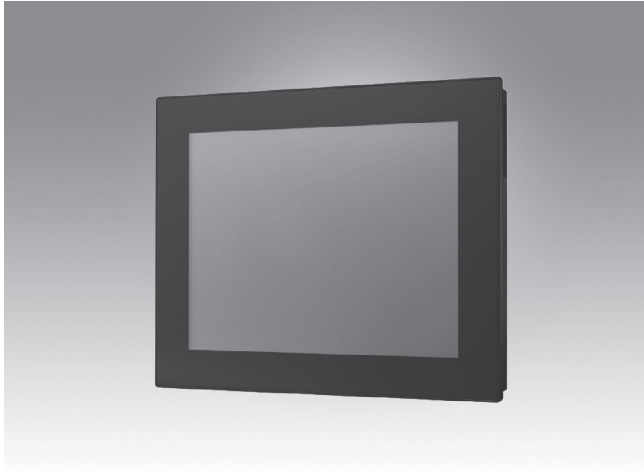


# PPC-3150-RJ90

## 15" Fanless Panel PC with Intel® Celeron Quad Core J1900 Processor



### Features

- 15" TFT XGA LED Panel with resistive touchscreen
- Embedded Intel Celeron processor, quad core J1900 2.0GHz onboard
- System memory up to 8GB DDR3L 1333 SDRAM
- Supports one internal SATA 2.5" HDD
- Supports one Mini PCIe socket, two Gigabit Ethernet
- Fanless and compact size with low power consumption
- Supports five RS-232 and one RS-232/422/485, besides six RS-232 and two RS-422/485 are optional by request
- Supports one mSATA socket

### Introduction

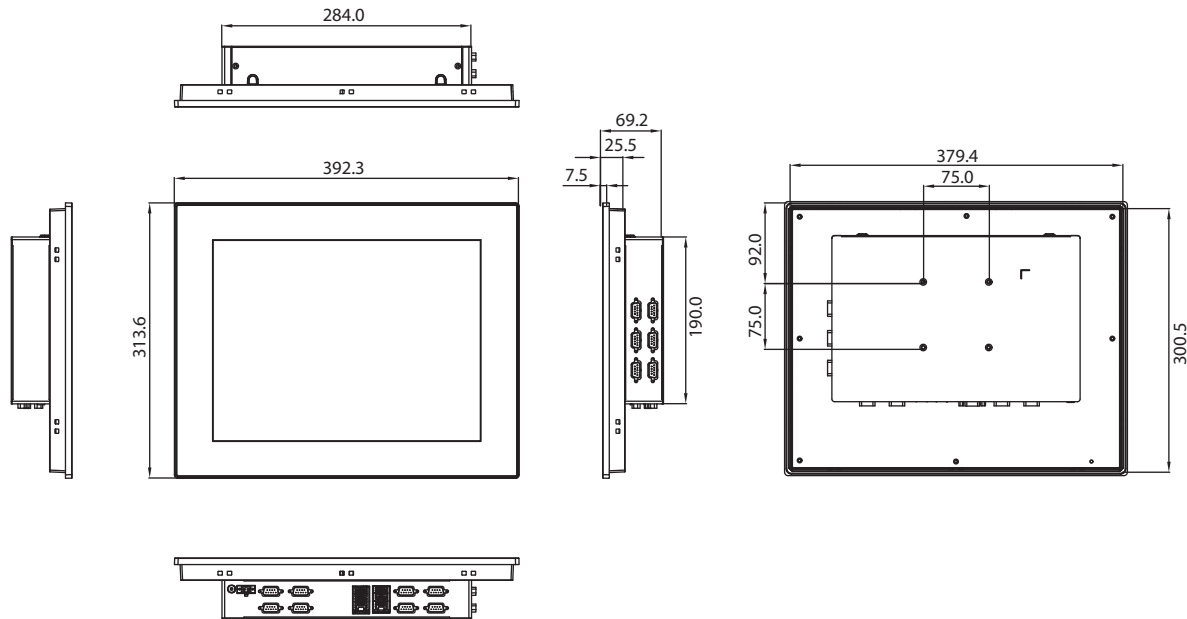
The PPC-3150-RJ90A is a valued and reliable 15" Panel PC. With an onboard Intel Celeron processor J1900, it features low power consumption and good performance. The PPC-3150-RJ90A is highly reliable because of its 15" TFT XGA LED panel, 5-wire resistive touch screen and fanless design. It provides fourteen serial ports, four USB ports, and two GbE LAN to satisfy various industrial applications especially industrial equipment makers and product line monitors. With a compact and slim design, the PPC-3150-RJ90A provides can be easily integrated in industrial systems.

### Specifications

|                                 |                                |  |
|---------------------------------|--------------------------------|--|
| <b>Processor System</b>         | CPU                            | Intel® Celeron J1900, Quad core  |
|                                 | Frequency                      | 2.0 GHz  |
|                                 | 2nd Cache                      | 2 MB   |
|                                 | Memory                         | 1 x SO-DIMM, DDR3L 1333, Max 8 GB  |
|                                 | Storage                        | 1 x 2.5" SATA Bay<br>1 x mSATA Bay   |
|                                 | Network (LAN)                  | 2 x 10/100/1000 Mbps Ethernet (Intel I211-AT/I210AT A ver. or Realtek 8119i B ver.)  |
|                                 | I/O ports                      | 5 x RS-232, 1 x RS-232/422/485(Adjustable through BIOS)<br>6 x RS-232 and 2 x RS-422/485 (optional by request)<br>1 x USB 3.0, 3 x USB 2.0<br>1 x VGA & 1 x HDMI (optional by request) |
|                                 | Expansion                      | 1 x Full size Mini PCIe slot   |
| <b>Physical Characteristics</b> | Watchdog Timer                 | 255 timer levels, set up by software   |
|                                 | Dimensions                     | 392.3 x 313.6 x 69.2 mm  |
|                                 | Weight                         | 4.9 Kg   |
| <b>OS Support</b>               | OS Support                     | Microsoft® Windows 7 (32/64 bit)/10 (64 bit), Linux  |
| <b>Power Consumption</b>        | Input Voltage                  | 12- 24 V <sub>DC</sub>   |
|                                 | Power Consumption              | 36W (Buru-in test 8.0 in Windows 7 64 bit)   |
| <b>LCD Display</b>              | Display Type                   | 15" TFT LCD (LED backlight)  |
|                                 | Resolution                     | 1024 x 768   |
|                                 | Viewing Angle                  | 88(left), 88 (right), 88 (up), 88(down)  |
|                                 | Luminance (cd/m <sup>2</sup> ) | 300  |
|                                 | Contrast Ratio                 | 2000   |
|                                 | Backlight Lifetime             | 50,000 hrs (Min.)  |
| <b>Touchscreen</b>              | Touch Type                     | Resistive 5 wires  |
|                                 | Light Transmission             | 80±3%  |
|                                 | Controller                     | USB interface  |
|                                 | Durability (Touches)           | 36 million   |
| <b>Environment</b>              | Operating Temperature          | 0 ~ 50°C (32 ~ 122°F) with SSD<br>0 ~ 40°C (32 ~ 104°F) with HDD   |
|                                 | Storage Temperature            | -40 ~ 60°C (-40 ~ 140°F)   |
|                                 | Relative Humidity              | 10 ~ 95% @ 40°C (non-condensing)   |
|                                 | Shock                          | Operating 10 G peak acceleration (11 ms duration), follow IEC 60068-2-27   |
|                                 | Vibration                      | Operating Random Vibration Test 5~500Hz, 1Grms @with HDD; 2Grms @with SSD, follow IEC 60068-2-64   |
|                                 | EMC                            | CCC  |
|                                 | Safety                         | CCC  |
| Front Panel Protection          | IP65 compliant                 |  |

## Dimensions

Unit: mm



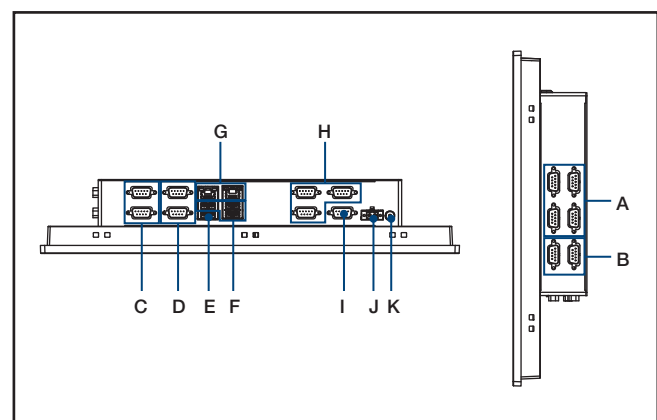
Panel Cutout Dimensions: 381.00 x 302.00 mm

## Ordering Information

| Part Number        | Description  |
|--------------------|--|
| PPC-3150-RJ90A     | Intel Celeron J1900 with 15" LED Panel, Res. T/S, 5 x RS-232, 1 x RS-232/422/485 |
| PPC-3150-RJ90B     | Intel Celeron J1900 with 15" LED Panel, Res. T/S, 5 x RS-232, 1 x RS-232/422/485 |
| PS-DC19-65AE       | Adapter AC100-240V 65W 19V 3.42A   |
| PPC-WLAN-C1E       | M.2 Wi-Fi Module with Antenna cable support 2T2R                                 |
| 1700008921         | Power cord 3P/3P Power Supply 1.8M PSE   |
| 96CB-POWER-B-1.8MB | Power code 3P CCC(China) 1.8M  |
| PPC-174T-WL-MTE    | Wall mount kit for PPC series  |
| PPC-STAND-A1E      | Stand For PPC Series (single acting hinge)                                       |
| PPC-ARM-A03        | PPC ARM VESA Standard  |

Note:  
 PPC-3150-RJ90Ax: Intel I211-AT/I210AT, 1GbE LAN chipset  
 PPC-3150-RJ90Bx: Realtek 8119i, 1GbE LAN chipset

## I/O Appearance



- A. 4 x RS-232 (optional by request)
- B. 2 x RS-422/485 (optional by request)
- C. 2 x RS-232 (optional by request)
- D. 2 x RS-232
- E. 1 x USB3.0
- F. 3 x USB2.0
- G. 2 x LAN
- H. 3 x RS-232
- I. 1 x RS-232/422/485
- J. DC-In
- K. Power button