

# PPC-4151W

## 15.6" Fanless Wide Screen Panel PC with Intel Core i5 / Celeron Processor

NEW



### Features

- 15.6" WXGA entirely flat panel with Projected capacitive touchscreen
- High performance Intel Core i CPU with Fanless design
- PCIe x1 or PCI expansion support
- Automatic data flow control over RS-485
- Wide Range DC 9-32V support
- Dual Gigabit Ethernet, support IEEE1588
- 3 x Independent display

susiAccess



### Introduction

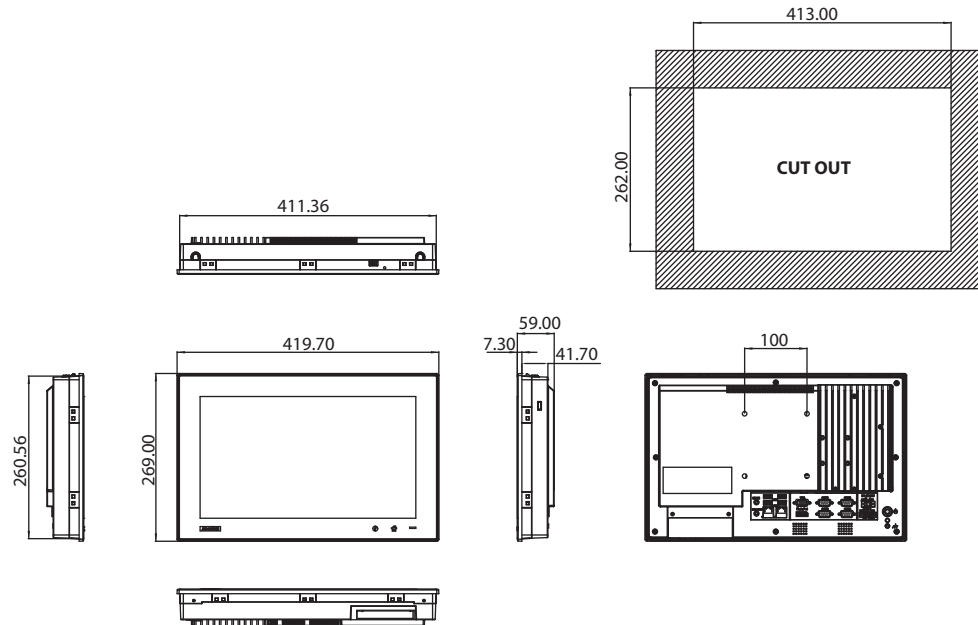
The PPC-4151W is a new generation Panel PC with WXGA (1366 x 768) screen. The most important, system equips with high performance Intel Core i CPU but the heat can be dispatched easily by high efficiency fanless thermal design. This makes HMI a big step forward to consolidate performance and reliability in one system. Besides, with rich I/O as 5 x COM, 5 x USB and dual Gigabit ethernet make it easier to connect to devices and be integrated into machine building industry. In addition, PCIe/PCI expansion to add on field bus or proprietary card makes more application possibility. The last but not least, the multi touch screen makes the HMI more intuitive, brings you the best operate experience.

### Specifications

|                  |                        |                                                                                                                                                                                                                  |
|------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor system | CPU                    | Intel 4th Generation Core i CPU<br>i5-4300U, 2C, 3M, up to 2.9GHz<br>Celeron 2980U, 2C, 2M, 1.6GHz                                                                                                               |
|                  | Memory                 | SO-DIMM x 1, DDR3L1333/1600, Max 8GB                                                                                                                                                                             |
|                  | 2nd Cache Memory       | 3 MB / 2 MB                                                                                                                                                                                                      |
|                  | Storage                | mSATA*1                                                                                                                                                                                                          |
|                  | HDD                    | 1 x 2.5" SATA HDD Bay                                                                                                                                                                                            |
|                  | I/O Ports              | 5 x Serial ports: 4 x RS-232, 1 x RS-422/485 with isolation 1K V <sub>oc</sub><br>4 x USB 3.0 ports in rear side, 1 x USB 2.0 in right side<br>1 x Line-out, 1x MIC-in<br>1 x DB15 VGA<br>1 x Display Port (1.2) |
|                  | Bus Expansion          | 1 x MINI PCIe,<br>1 x PCIe x1 or 1 x PCI(either one)                                                                                                                                                             |
|                  | Network (LAN)          | 2 x 10/100/1000 Mbps Ethernet, Intel I211-AT, Intel I218LM                                                                                                                                                       |
|                  | Speaker                | 2 x 1W                                                                                                                                                                                                           |
|                  | Watchdog Timer         | 255 timer levels; setup by software                                                                                                                                                                              |
| OS support       | Dimensions             | 419.7 x 269 x 59 mm                                                                                                                                                                                              |
|                  | Weight                 | 5.8 Kg                                                                                                                                                                                                           |
| Power supply     | OS Support             | Win 7/Win 8/Win 8.1/Linux                                                                                                                                                                                        |
|                  | Input Voltage          | DC 9-32V                                                                                                                                                                                                         |
| LCD Display      | Power consumption      | i5-4300U: 56W,<br>Celeron 2980U: 45W (8G DDR3L, USB x 4, COM x 4, USB mouse, 2.5" HDD 500G, Win7 64bit, Burn-in 7.0 )                                                                                            |
|                  | Display Type           | 15.6" TFT LCD (LED Backlight)                                                                                                                                                                                    |
|                  | Max. Resolution        | 1366 x 768                                                                                                                                                                                                       |
|                  | Colors                 | 16.7M                                                                                                                                                                                                            |
|                  | Viewing Angle          | 85 (left), 85 (right), 85 (up), 85 (down)                                                                                                                                                                        |
|                  | Luminance(cd/m2)       | 300                                                                                                                                                                                                              |
|                  | Brightness Control     | Yes (by BIOS)                                                                                                                                                                                                    |
|                  | Backlight Lifetime     | 50, 000 hrs (typ.)                                                                                                                                                                                               |
| Touchscreen      | Touch Type             | Projected Capacitive multi touch 10 point                                                                                                                                                                        |
|                  | Resolution             | 2048 x 2048                                                                                                                                                                                                      |
|                  | Light Transmission     | 88 % ± 2 %                                                                                                                                                                                                       |
|                  | Controller             | USB interface                                                                                                                                                                                                    |
| Environment      | Operating Temperature  | 0 ~ 50° C (32 ~ 122° F) for SSD, 0~45° C for HDD                                                                                                                                                                 |
|                  | Storage Temperature    | -20 ~ 60° C (-4 ~ 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, follow IEC 60068-2-64                                                                                                                                            |
|                  | EMC                    | BSMI, CE, FCC Class B                                                                                                                                                                                            |
|                  | Safety                 | CB, CCC, BSMI, UL                                                                                                                                                                                                |
|                  | Front Panel Protection | IP65 compliant                                                                                                                                                                                                   |

## Dimensions

Unit: mm



## Ordering Information

| Part NO          | Description                                                                 |
|------------------|-----------------------------------------------------------------------------|
| PPC-4151W-P5AE   | 15.6 Wide screen PPC with PCT Multi-touch, Intel Core i5-4300U up to 2.9GHz |
| PPC-4151W-PCAE   | 15.6 Wide screen PPC with PCT Multi-touch, Intel Celeron 2980U 1.6GHz       |
| PS-DC19-L157E    | 19V DC power Adapter Module                                                 |
| 1700001524       | POWER Cord 3P UL 10A 125V 180cm                                             |
| 170203183C       | POWER Code 3P Europe (WS-010+083)183cm                                      |
| 1700008921       | POWER CORD 3P/3P POWER SUPPLY 1.8M PSE                                      |
| PPC-174T-WL-MTE  | Wall mount kit for PPC series                                               |
| PPC-4150W-STANDE | Desktop stand kit                                                           |
| PPC-ARM-A03      | PPC ARM VESA Standard                                                       |
| PPC-6150-WLANE   | Wi-Fi Module with Intel 6205 for PPC series                                 |
| 2070012905       | Image WES7P 32-bit Multi PPC-4151W/4211W-P                                  |
| 2070013051       | Image WES7P 64-bit Multi PPC-4151W/4211W-P                                  |

## I/O Appearance

