

# PPC-S1912P/R

## 19" Front Panel IP66 Stainless Steel Panel PC with Intel® Core™ i5-1235U Processor



### Applications

- HMI for Factory Automation
- Embedded Panel PC on the chassis
- CNC machine
- Food & Beverage Industry
- Semi-outdoor Application

### Features

- 19" 1280 x 1024 Resolution, 350nits Panel
- Intel® Core™ i5-1235U onboard Processor
- True Flat, Easy-to-clean Front Panel Design
- 304 Stainless Steel Front Panel (Optional 316) + SECC Back Cover
- IP66 Rated Front Panel
- Support Projected Capacitive and Resistive Touchscreen
- Support VESA and Panel Mounting

### Ordering Information

| Part No.   | Description   |
|------------|---|
| PPC-S1912P | 19" 4:3 (1280 x 1024) SXGA, 350nits, P-CAP Touch, Front SUS304 + Back SECC, Intel® Core™ i5-1235U, 2 x 2.5GbE, 2 x HDMI, 1 x RS232/422/485, 4 x USB3.2, 9~36VDC (2-pin Terminal Block)            |
| PPC-S1912R | 19" 4:3 (1280 x 1024) SXGA, 350nits, 5-wire Resistive Touch, Front SUS304 + Back SECC, Intel® Core™ i5-1235U, 2 x 2.5GbE, 2 x HDMI, 1 x RS232/422/485, 4 x USB3.2, 9~36VDC (2-pin Terminal Block) |

### Packing List

#### Description

1 x PPC-S1912P/R

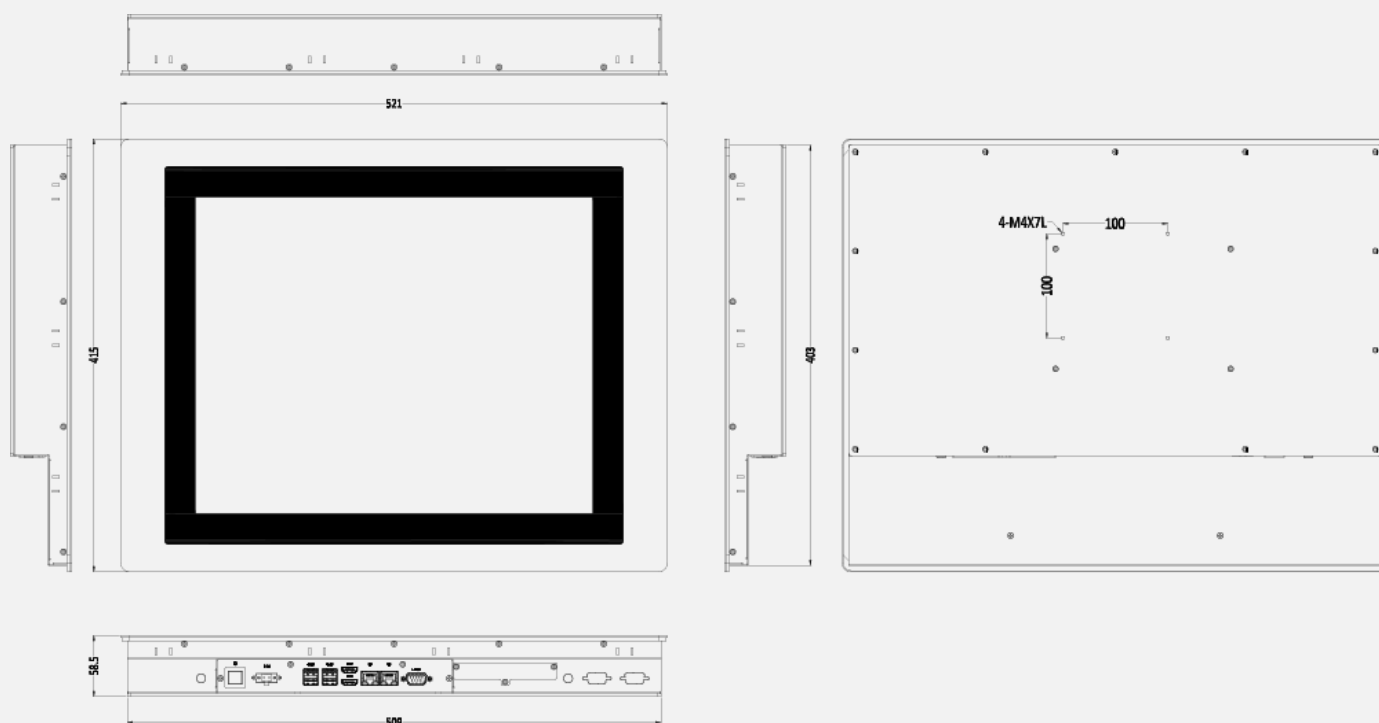
### Optional Items

| Part No.               | Description  |
|------------------------|--|
| EA-PS-120W24VTB3x-0111 | Adapter AC/DC 24V 5A 120W with 2-pin Terminal Block Plug 5.0mm Pitch         |
| 27-x301000003-CA       | Power Cord, 3-pin US Type, 180 cm  |
| 27-x301010005-CA       | Power Cord, 3-pin EU Type, 180 cm  |
| AWD-TPM20              | TPM 2.0 Module   |
| EA-AWD-4G003xxxxx-0011 | 4G (LTE) EG25-G + 2 Antennas, Full Size (for Global)                         |
| EA-AWD-WF003x01x1-0011 | Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half Size     |
| EA-AWD-WFM2BT52TR-0011 | Wi-Fi 802.11 a/b/g/n/ac/BT5.0 (2T2R) + 2 Antennas (Dual Band), M.2 2230 Type |

## Specifications

| Model            |                        | PPC-S1912P   | PPC-S1912R       |
|------------------|------------------------|--|------------------|
| Processor System | CPU                    | Intel® Core™ i5-1235U Processor                                    |                  |
|                  | Frequency              | up to 4.40GHz  |                  |
|                  | BIOS                   | UEFI   |                  |
|                  | TPM                    | fTPM (Optional for dTPM)   |                  |
| Memory           | Technology             | Dual Channel DDR4 3200MHz (un-buffered and non-ECC)                |                  |
|                  | Max. Capacity          | Support up to 64GB   |                  |
|                  | Type                   | 2 x 260-pin SO-DIMM  |                  |
| Panel            | Panel Type             | 19" SXGA LCD   |                  |
|                  | Aspect Ratio           | 4:3  |                  |
|                  | Resolution             | 1280 x 1024  |                  |
|                  | Brightness             | 350cd/m <sup>2</sup>   |                  |
|                  | Color                  | 16.7M  |                  |
|                  | Contrast Ratio         | 1000:1   |                  |
|                  | Viewing Angle          | 170 (H) x 160 (V)  |                  |
|                  | Backlight MTBF (typ.)  | 70,000Hrs  |                  |
| Touchscreen      | Touchscreen Type       | Projected Capacitive (P-CAP)                                       | 5-wire Resistive |
|                  | Surface Hardness       | 7Mohs  | 3Mohs            |
|                  | Transparency           | 90% (±3%)  | 80% (±3%)        |
| I/O Interface    | Ethernet               | 2 x 2.5GbE LAN Ports (Intel® I226-V)                               |                  |
|                  | HDMI                   | 2 x HDMI 2.0, Max Resolution 4096 x 2160                           |                  |
|                  | Serial Port            | 1 x RS232/422/485 (Optional for additional 2 x RS232/422/485)      |                  |
|                  | USB                    | 4 x USB3.2 Gen2  |                  |
|                  | Audio                  | N/A  |                  |
| Storage          | 2.5" SSD               | Internal 1 x 2.5" SSD  |                  |
|                  | M.2                    | Internal 1 x M.2 2280 M-Key (PCIe Gen 4x4, SATA)                   |                  |
| Expansion        | Mini-PCIe              | 1 x Full-Size Mini-PCIe with SIM slot (PCIe, USB2.0 and SIM)       |                  |
|                  | M.2                    | 1 x M.2 2280 M-Key (PCIe Gen 4x4, SATA)<br>1 x M.2 2230 E-Key      |                  |
| Power            | Power Mode             | AT/ATX   |                  |
|                  | Power Supply Voltage   | 9~36V DC Input   |                  |
|                  | Power Connector Type   | 1 x DC Power Connector, 1 x 2-pin Terminal Block                   |                  |
| Environment      | Operating Temperature  | -20C ~ +60°C   |                  |
|                  | Storage Temperature    | -30C ~ +70°C   |                  |
|                  | Humidity               | 10% ~ 95%, Non-condensing  |                  |
|                  | Vibration              | IEC 60068-2-64: 1.5Grms, random, 5~500 Hz, 1hr/axis                |                  |
|                  | Shock                  | IEC 60068-2-27: 15G, half-sine, 11ms duration                      |                  |
| General          | Certification          | CE/FCC Class A   |                  |
|                  | Ingress Protection     | Front Panel IP66   |                  |
|                  | Material               | 304 Stainless Steel Front Panel (316 for option) + SECC Back Cover |                  |
|                  | Mounting               | VESA (100 x 100mm) / Panel   |                  |
|                  | Dimensions (W x H x D) | 521 x 415 x 58.5mm   |                  |
|                  | Net Weight             | 8.5kg  |                  |
|                  | Operating System       | Windows 10 IoT, Windows 11 (IoT/Professional), Linux               |                  |

## Dimensions



## Viewing

