

# PPC-2164PW/RW

## 21.5" Front Panel IP54 Panel PC with Intel® Celeron® J6412 Processor



### Applications

- HMI Solution
- Embedded Panel PC on the chassis
- Digital Transformation
- ATM / Self-service / Kiosk Application
- Industrial Automation

### Features

- 21.5" 1920 x 1080 Resolution, 250nits Panel
- Intel® Celeron® J6412 onboard Processor
- SECC Front Panel + Aluminum Back Cover
- IP54 Rated Front Panel
- Support Projected Capacitive and Resistive Touchscreen
- Support VESA and Panel Mounting

### Ordering Information

| Part No.   | Description  |
|------------|--|
| PPC-2164PW | 21.5" 16:9 (1920 x 1080) FHD, 250nits, P-CAP Touch, SECC, Intel® Celeron® J6412, 2 x GbE, 2 x HDMI, 4 x USB3.2, Line-Out, 12~36VDC (2-pin Terminal Block)            |
| PPC-2164RW | 21.5" 16:9 (1920 x 1080) FHD, 250nits, 5-wire Resistive Touch, SECC, Intel® Celeron® J6412, 2 x GbE, 2 x HDMI, 4 x USB3.2, Line-Out, 12~36VDC (2-pin Terminal Block) |

### Packing List

#### Description

1 x PPC-2164PW/RW

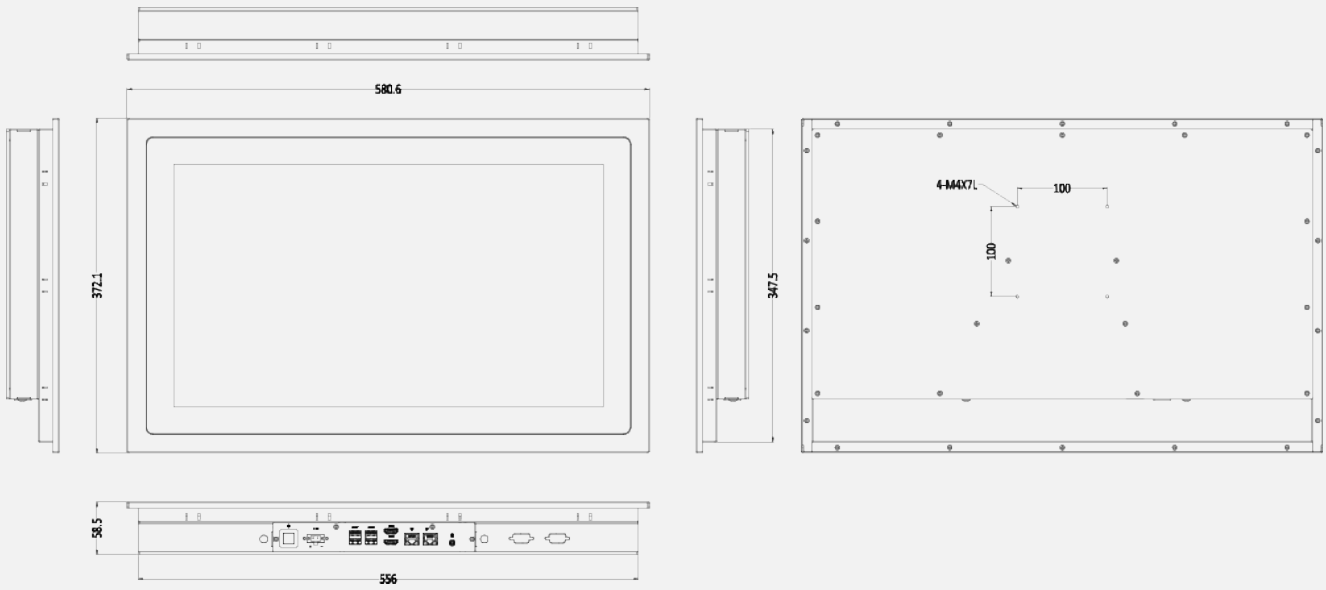
### Optional Items

| Part No.               | Description  |
|------------------------|--|
| EA-PS-60W12VTB2xx-0211 | Adapter AC/DC 12V 5A 60W 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  |
| EA-AWD-4G003xxxx-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-2164PW   | PPC-2164RW       |
|------------------|------------------------|--|------------------|
| Processor System | CPU                    | Intel® Celeron® J6412 Processor                              |                  |
|                  | Frequency              | up to 2.60GHz  |                  |
|                  | BIOS                   | UEFI   |                  |
|                  | TPM                    | fTPM   |                  |
| Memory           | Technology             | Dual Channel DDR4 3200MHz (un-buffered and non-ECC)          |                  |
|                  | Max. Capacity          | Support up to 32GB   |                  |
|                  | Type                   | 2 x 260-pin SO-DIMM  |                  |
| Panel            | Panel Type             | 21.5" FHD LCD  |                  |
|                  | Aspect Ratio           | 16:9   |                  |
|                  | Resolution             | 1920 x 1080  |                  |
|                  | Brightness             | 250cd/m <sup>2</sup>   |                  |
|                  | Color                  | 16.7M  |                  |
|                  | Contrast Ratio         | 5000:1   |                  |
|                  | Viewing Angle          | 178 (H) x 178 (V)  |                  |
|                  | Backlight MTBF (typ.)  | 30,000Hrs  |                  |
| 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 GbE LAN Ports (Intel® I211-AT)                           |                  |
|                  | HDMI                   | 2 x HDMI 2.0, Max Resolution 4096 x 2160                     |                  |
|                  | Serial Port            | Optional for 2 x RS232/422/485                               |                  |
|                  | USB                    | 4 x USB3.2 Gen1  |                  |
|                  | Audio                  | 1 x Line-out   |                  |
| Storage          | 2.5" SSD/HDD           | Internal 1 x 2.5" SSD/HDD                                    |                  |
|                  | M.2                    | Internal 1 x M.2 2280 M-Key (PCIe x2, 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 x2, SATA)                           |                  |
| Power            | Power Mode             | AT/ATX   |                  |
|                  | Power Supply Voltage   | 12~36V 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 IP54   |                  |
|                  | Material               | SECC Front Panel + Aluminum Back Cover                       |                  |
|                  | Mounting               | VESA (100 x 100mm) / Panel                                   |                  |
|                  | Dimensions (W x H x D) | 580.6 x 372.1 x 58.5mm                                       |                  |
|                  | Net Weight             | 6.99kg   |                  |
|                  | Operating System       | Windows 10 IoT, Windows 11 (IoT/Professional), Linux         |                  |

## Dimensions



## Viewing

