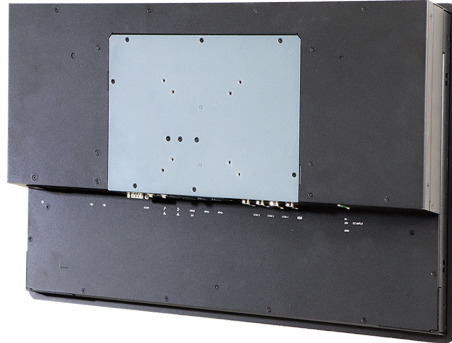


# PPC-J213RW

21.5" IP65 Front True Flat 5-wire Resistive Panel PC  
with Intel® Pentium® N4200 / Celeron® N3350 Processor



## Features

- IP65 Front Aluminum Bezel
- True Flat Design
- Supports VESA & Panel Mount
- Diamond-cut Modern, Chamfered Edges

## Applications

- Human Machine Interface (HMI)
- Factory / Manufacturing Automation
- ATM / Self-service / Kiosk
- Vending Machine / Ticketing Machine

## Ordering Information

| Part No.       | Description   |
|----------------|---|
| PPC-J213RW-1A1 | 21.5" 16:9 (1920 x 1080), 250 nits, Aluminum IP65 True Flat Front Panel, Fanless Panel PC with Intel® Pentium® N4200 CPU, 5-wire Resistive Touch, 2x USB3.0, 2x USB2.0, 3x RS-232, 1x RS-232/422/485, 2x GbE, 1x HDMI, 1x VGA, 8-bit GPIO, Line Out, DC 9~36 V, Phoenix Connector |
| PPC-J213RW-2A1 | 21.5" 16:9 (1920 x 1080), 250 nits, Aluminum IP65 True Flat Front Panel, Fanless Panel PC with Intel® Celeron® N3350 CPU, 5-wire Resistive Touch, 2x USB3.0, 2x USB2.0, 3x RS-232, 1x RS-232/422/485, 2x GbE, 1x HDMI, 1x VGA, 8-bit GPIO, Line Out, DC 9~36 V, Phoenix Connector |

## Packing List

| Description                |
|----------------------------|
| 1 x PPC-J213RW             |
| 1 x Power Adapter          |
| 1 x Power Cord             |
| 12 x Panel Mounting Screws |

## Optional Items

| Part No.    | Description   |
|-------------|---|
| AWD-WF001   | Wi-Fi 802.11 b/g/n (1T1R) + 1 Antenna, Half Size                            |
| AWD-WF003   | Wi-Fi 802.11 a/b/g/n/ac/BT4.0 (2T2R) + 2 Antennas (Dual Band), Half Size    |
| AWD-4G003   | 4G(LTE) EG25-G + 2 Antennas, Full Size (for Global)                         |
| AWD-4G004   | 4G(LTE) EC25EFA + 2 Antennas, Full Size (for Europe/Taiwan/China/Hong Kong) |
| ACS-110-STD | VESA Stand (75x75, 100x100 mm), Supporting up to 15 kg Panel PC / Monitor   |

# PPC-J213RW

## → Specifications

|                  | Model                      | PPC-J213RW-1A1  | PPC-J213RW-2A1         |
|------------------|----------------------------|---|------------------------|
| Processor System | CPU                        | Intel® Pentium® N4200   | Intel® Celeron® N3350  |
|                  | Frequency                  | Quad-core up to 2.5GHz  | Dual-core up to 2.4GHz |
|                  | System Chipset             | N/A   |                        |
|                  | L2 Cache                   | 2 MB  |                        |
|                  | BIOS                       | UEFI  |                        |
| Memory           | Technology                 | Dual Channel DDR3L 1866 MHz                                       |                        |
|                  | Max. Capacity              | 8 GB  |                        |
|                  | Type                       | 2x 204-pin SO-DIMM  |                        |
| Panel            | Panel Size                 | 21.5"   |                        |
|                  | Panel Type                 | LCD Panel   |                        |
|                  | Aspect Ratio               | 16:9  |                        |
|                  | Resolution                 | FHD, 1920 x 1080  |                        |
|                  | Viewing Angle              | 178(H) x 178 (V)  |                        |
|                  | Brightness                 | 250 cd/m2   |                        |
|                  | Contrast Ratio             | 3000:1  |                        |
|                  | Response Time              | 12 msec   |                        |
| Touchscreen      | Touchscreen Type           | 5-wire Resistive  |                        |
|                  | Surface Hardness           | 3 Mohs  |                        |
|                  | Durability                 | 36 Millions Times   |                        |
|                  | Transparency               | 80% (±3%)   |                        |
| Display          | HDMI                       | 1x HMDI, up to 3840 x 2160 @ 30Hz                                 |                        |
|                  | DP                         | N/A   |                        |
|                  | VGA                        | 1x VGA, up to 2560 x 1600 @ 60Hz                                  |                        |
|                  | DVI                        | N/A   |                        |
| I/O Interface    | USB                        | 2x USB3.0 and 2x USB2.0   |                        |
|                  | Serial Port                | 3x RS-232 and 1x RS-232/422/485                                   |                        |
|                  | Ethernet                   | 2x GbE (Lan1/2: Intel® i211AT)                                    |                        |
|                  | Audio                      | Line Out, Mic In (Realtek® Audio Codec)                           |                        |
|                  | GPIO / DIO                 | N/A   |                        |
|                  | Antenna Hole               | N/A (Optional)  |                        |
| Storage          | 2.5" SSD                   | 1x Internal 2.5" SSD  |                        |
|                  | M.2                        | 1x M.2 M Key 2242 (SATA III)                                      |                        |
|                  | mSATA                      | N/A   |                        |
|                  | RAID                       | N/A   |                        |
| Expansion        | Mini PCIe                  | 1x Full Size (PCIe X1 / USB2.0)                                   |                        |
|                  | M.2                        | N/A   |                        |
|                  | PCI / PCIe                 | N/A   |                        |
|                  | SIM Holder                 | 1   |                        |
| Power            | Power On Model             | AT/ATX  |                        |
|                  | Power Supply Voltage       | 9-36V DC Input  |                        |
|                  | Connector Type             | 2-pin Terminal Block  |                        |
|                  | Power Consumption(Typical) | 17.5W @ 12V (1.46A)   |                        |
| Mounting         | Type                       | VESA Mount (75 x 75 ; 100 x 100 mm) / Panel Mount                 |                        |
| Environment      | Operating Temperature      | -20~60°C (-4~140° F) w/ Extended Operation Temp. RAM & Storage    |                        |
|                  | Storage Temperature        | -30~70°C  |                        |
|                  | Humidity                   | 5~95% @ 40° C, Non-condensing                                     |                        |
|                  | Vibration                  | IEC 60068-2-64: 1.5Grms, random, 5~500 Hz, 1hr/axis               |                        |
|                  | Shock                      | IEC 60068-2-27: 15G, half-sine, 11 ms duration                    |                        |
| General          | Certification              | CE/FCC Class A  |                        |
|                  | Thermal Dissipation        | Fanless   |                        |
|                  | Ingress Protection         | Front IP65  |                        |
|                  | Material                   | Aluminum Front Cover  |                        |
|                  | Dimensions (W x H x D)     | 561.8 x 352.76 x 73.55 mm (22.12" x 13.89" x 2.90")               |                        |
|                  | Net Weight                 | 8.1 kg (17.85 lb)   |                        |
|                  | Operating System           | Windows 10 (IoT 64 bit/Professional), Linux Kernal 4.0.x or above |                        |

# PPC-J213RW

## → Dimensions

