



## Features

- Industrial-grade 17.3" FHD LCD panel with 50k backlight lifetime
- True-flat touchscreen with multi-touch projected capacitive control
- IP66 grade aluminum alloy front panel
- Intel® Celeron® J1900 quad-core 2.0 GHz processor
- 1 x DDR3 SDRAM, max.8GB, 1 x mSATA / 1 x 2.5" SATA SSD
- 2 x Intel® 211 1GbE Ethernet, support WoL and PXE
- 2 x RS232/422/485, RS485 support automatic flow control
- Support TPM2.0 hardware security
- Supports embedded / VESA 100mm x 100mm mounting holes
- 9V to 36V DC Wide Range Power Input, Supporting OVP / OCP / RPP

## Specifications

System	
CPU	Intel® Bay Trail Celeron J1900 Quad-core 2.0GHz, TDP 10W
L2 Cache	2MB
System Chipset	Integrated with Intel® SoC
Memory	1 x DDR3L 1333MHz 4GB, Up to 8GB
Harddisk	1 x mSATA 128G SSD (250G / 500G / 1TB SSD) / 1 x 2.5" SATA
Graphics	Intel HD Graphics
Network	Intel® I211-AT GbE LAN
Audio	Realtek ACL662 Audio controller
TPM	TPM 2.0
Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset
Operation System	Windows 7 / 8 / 10, Linux, Ubuntu
I/O	
VIDEO	1 x H-DMI
Ethernet	2 x LAN (10/100/1000 Mbps)
USB	3 x USB2.0 / 1 x USB3.0
COM	2 x RS-232 / 422 / 485 (Adjustable through BIOS)
Audio	1x Audio_out & Mic_in
Wireless Network	Optional (WiFi / Bluetooth / 4G)
Expansion	
M.2	1*M.2 (Key-E, 2230, PCIe+USB, Wifi+BT)
	1*M.2 (Key-B, 3042, USB2.0, 4G)
SIM Socket	1x SIM Socket
Display	
LCD Size	17.3" (16:9)
Resolution	1920 x 1080 (FHD)
Brightness (cd/m <sup>2</sup> )	400 cd/m <sup>2</sup>
Contrast Ratio	600:1
Backlight MTBF	50000 hrs
Viewing Angle	80 / 80 / 60 / 80 (CR≥10) (L / R / U / D)
Touch screen	
Touch Type	10 point PCAP
Surface Hardness	≥7H

Power	
Power Adapter	1 x Optional AC/DC 12V/5A , 60W
Power Mode	Support AT, ATX Mode
Power Input	2-pin Terminal Block Connector with Power Input 9~36VDC
Power Protection	OVP (Over Voltage Protection)   OCP (Over Current Protection)   RPP (Reverse Polarity Protection)
Power Consumption	≤35W
Physical	
Material	Aluminum alloy panel, anodized treatment
Mounting	Stand / Wall / VESA / Panel
Dimension (W x H x D)	441 x 274 x 60 mm
Cut-out Size	427 x 260 mm
Packing Size	500 x 180 x 450 mm
Weight (Net)	4.1 KG
Environment	
Operating Temperature	-20~70°C (-4~158°F)
Storage Temperature	-30~80°C (-22~176°F)
Relative Humidity	5%~95%@40°C, non-condensing
Vibration Protection	1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
IP Level	Front Panel IP66
EMC	CE, FCC, UL, KC, Class A, ROHS , IEC / EN 62368-1

### Dimension & I/O

The technical drawing includes three views of the panel PC: a front view showing a 17.3" FHD display area and overall dimensions of 441.00 mm width and 274.00 mm height; a side view showing a thickness of 60.00 mm and a mounting flange of 8.00 mm; and a cutout view showing a 427.00 mm x 260.00 mm opening with a 100.00 mm x 100.00 mm internal cutout for the display. Below the front view, a row of I/O ports is labeled A through J.

**I / O Definition:**

- A: DC 9V~36V
- B: COM1:RS-232 / 422 / 485
- C: COM2:RS-232 / 422 / 485
- D: 2 x LAN
- E: H-DMI
- F: 1 x USB 3.0 / 1 x USB 2.0
- G: 2 x USB 2.0
- H: Audio
- I: Extension Switch
- J: Power Button

**Panel Cutout Dimensions: 427 x 260 mm (16.82 x 10.24 in)**

### Ordering info

Available models	Description
PPC-J173WAC	17.3" Fanless Industrial Panel PC Intel® Bay Trail Celeron J1900 2.0GHz Processor With Capcice touch

### Packing list

1 x Standard product
1 x Utility DVD Driver
1 x 60W PSU (Power Supply)
1 x Power cable & plug
8 x Panel mount metal clips