



Features

- Industrial-grade 13.3" FHD LCD panel with 50k backlight lifetime
- Optical bonding PCAP multipoint touch screen
- IP66 grade stainless steel SUS304 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	13.3" (16:9)
Resolution	1920 x 1080 (FHD)
Brightness (cd/m²)	400 cd/m²
Contrast Ratio	900:1
Backlight MTBF	50000 hrs
Viewing Angle	85 / 85 / 85 / 85 (CR≥10) (L / R / U / D)
Touch screen	
Touch Type	Optical bonding PCAP Touch
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	SUS 304 Panel + SECC
Mounting	Stand / Wall / VESA / Panel
Dimension (W x H x D)	345 x 216 x 60 mm
Cut-out Size	331 x 202 mm
Packing Size	450 x 170 x 350 mm
Weight (Net)	3.4 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. The front view shows a 13.3" FHD display with a width of 344.50 mm and a height of 216.00 mm. The side view shows a thickness of 60.00 mm and a mounting bracket height of 7.00 mm. The rear view shows the internal layout of the panel with dimensions of 100.00 mm for the central area and 100.00 mm for the side area. Below the front view is a detailed diagram of the I/O ports 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: 2 x USB 3.0
G: 1 x LAN	H: 2 x USB 3.0
I: Audio	J: Power Button

Panel Cutout Dimensions: 331 x 202 mm (13.03 x 7.95 in)

Ordering info

Available models	Description
PPC-J133WCC	13.3" Fanless Industrial Panel PC Intel® Bay Trail Celeron J1900 2.0GHz Processor With Capcice touch

Packing list

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