



Features

- Industrial-grade 15.6" 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	15.6" (16:9)
Resolution	1920 x 1080 (FHD)
Brightness (cd/m ²)	450 cd/m ²
Contrast Ratio	1000:1
Backlight MTBF	50000 hrs
Viewing Angle	89 / 89 / 89 / 89 (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)	400 x 250 x 60 mm
Cut-out Size	386 x 236 mm
Packing Size	460 x 180 x 400 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: a front view showing a 15.6" FHD display area and overall dimensions of 400.00 mm width and 250.00 mm height; a side view showing a thickness of 60.00 mm and a mounting bracket height of 8.00 mm; and a cutout view showing a 100.00 mm x 100.00 mm opening for the panel. Below the drawings is an I/O definition table and panel cutout dimensions.

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: 386 x 236 mm (15.20 x 9.29 in)

Ordering info

Available models	Description
PPC-J156WAC	15.6" 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