PPC-19SRC

8th Gen Intel® Alder Lake Core™
i3-8145U processor



Features

- Industrial-grade 19" SXGA LCD panel with 50k backlight lifetime
- Optical bonding PCAP multipoint touch screen
- IP66 grade aluminum alloy front panel
- 8th Gen Intel® Whiskey Lake Core™ i3 Processor
- 2 x DDR4 SDRAM, max.64GB, 1 x M.2 2280 / 1 x mSATA 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 19 inch Rack mount / VESA 100mm x 100mm mounting holes
- 9V to 36V DC Wide Range Power Input，Supporting OVP / OCP / RPP

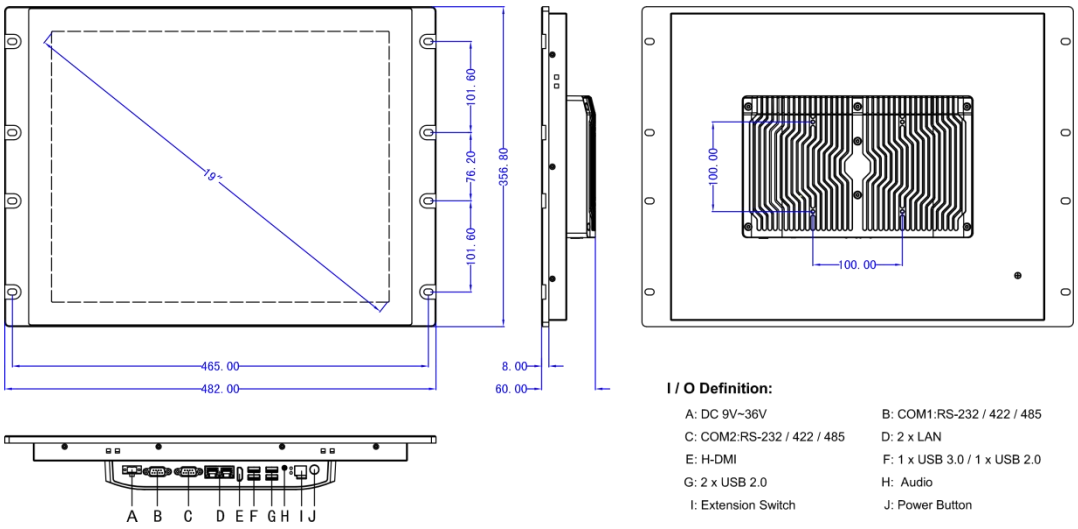
Specifications

System	
CPU	8th Gen Intel® Core™ i3-8145U
L3 Cache	4MB
TDP	25W
System Chipset	Integrated with Intel® SoC
Memory	2 x DDR4L 2400MHz 4GB, Up to 64GB
Harddisk	1 x M.2 120G SSD (250G / 500G / 2TB SSD) / 1 x mSATA
Graphics	Intel HD Graphics 620
Network	Intel® I211-AT GbE LAN
Audio	Realtek ACL897 Audio controller
TPM	TPM 2.0
Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset
Operation System	Windows 10 / 11， Linux, Ubuntu
I / O	
VIDEO	1 x H-DMI
Ethernet	2 x LAN （10/100/1000 Mbps）
USB	3 x USB 3.0 / 1 x USB 2.0
COM	2 x RS-232 / 422 / 485 (Adjustable through BIOS)
Audio	1x Audio_out & Mic_in
Wireless Network	Optional （WiFi / Bluetooth / 4G / 5G)
Expansion	
M.2	1*M.2 (Key-E, 2230, PCIe+USB, Wifi+BT)
	1*M.2 (Key-B, 3042/3052, PCIe/ USB 3.0+USB2.0, 4G/5G)
SIM Socket	1x SIM Socket
Display	
LCD Size	19" (5:4)
Resolution	1280 x 1024
Brightness (cd/m²)	450
Contrast Ratio	1000:1
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

We reserve the right to change specifications and product descriptions at any time without prior notice.

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 Protectio
Power Consumption	≦45W
Physical	
Material	Aluminum alloy panel, anodized treatment
Mounting	19.0-inch Rack Mount / Stand / Wall / VESA / Panel
Dimension (W x H x D)	482 x 357 x 62 mm
Height	8U
Packing Size	500 x 180 x 450 mm
Weight (Net)	6.5 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, KC , Class A, ROHS , IEC / EN 62368-1

Dimension & I/O



Ordering info

Available models	Description
PPC-3019SRC	19" Fanless Industrial Panel PC 8th Gen Intel® Whiskey Lake Core™ i3-8145U 2.1GHz 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

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