



Features

- Industrial-grade 12.1" XGA LCD panel with 50k backlight lifetime
- High precision 5-wires resistive touch, EETI controller
- Intel® Celeron® J1900 quad-core 2.0 GHz processor
- 1 x DDR3 SDRAM max.8GB, 1 x mSATA SSD
- SP13 I/O ports : 2 x LAN / 2 x USB / 1 x COM
- Full device IP67 with Strong aluminum alloy casing
- Wide Operating Temperature -20°C to 70°C
- 12V to 24V DC Wide Range Power Input

Specifications

System	
CPU	Intel® Bay Trail Celeron J1900 Quad-core 2.0GHz
L2 Cache	2MB
TDP	10W
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® 226-V GbE LAN
Audio	Realtek ACL662 Audio controller
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 (Optional)
Ethernet	2 x SP13 Waterproof Giga LAN RJ45 Connector
USB	2 x SP13 Waterproof Connector For USB2.0
COM	1 x SP13 Waterproof Connector For COM
Wireless Network	Optional (WiFi / Bluetooth / 4G)
Other I/O Interface	1 x Power Switch
Expansion	
mPCe	1 x mPCe (Wifi+BT+4G)
SIM Socket	1x SIM Socket
Display	
LCD Size	12.1" (4:3)
Resolution	800 x 600 / 1024 x 768 (Optional)
Brightness (cd/m ²)	500 cd/m ²
Contrast Ratio	1200:1
Backlight MTBF	50000 hrs
Viewing Angle	88 / 88 / 88 / 88 (CR≥10) (L / R / U / D)
Touch screen	
Touch Type	5 wire Resistive touch
Surface Hardness	≥3H

Power	
Power Adapter	1 x Optional AC/DC 12V/5A , 60W
Power Input	2-Pin SP13 Power Input 12~24VDC
Power Consumption	≤35W
Physical	
Material	Aluminum Alloy Shell
Mounting	Stand / Wall / VESA
Dimension (W x H x D)	311 x 241 x 42 mm
Packing Size	450 x 170 x 350 mm
Weight (Net)	3.5 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	IP67 / IP69K
EMC	CE, FCC , Class A , ROHS

Dimension & I/O

I / O Definition:

A: Power Switch	B: Airflow valve
C: USB (optional)	D: USB (optional)
E: LAN (optional)	F: COM (optional)
G: DC 12V~24V	

Panel Cutout Dimensions: 310.5 x 241 x 42 mm (12.22 x 9.48 x 1.65 in)

Ordering info

Available models	Description
WPC-J012SAR	12.1" Fanless Waterproof Industrial PC Intel® Celeron J1900 2.0GHz Processor With Capcice touch

Packing list

1 x Standard product
1 x 60W PSU (Power Supply)
2 x SP13 Waterproof USB Cable 2M
1 x SP13 Waterproof COM Cable 2M
2 x SP13 Waterproof LAN Cable 2M
1 x CD-ROM