



## Features

- Industrial-grade 12.1" XGA LCD panel with 50k backlight lifetime
- High precision 5-wires resistive touch, EETI controller
- 6th Gen Intel® Skylake Core™ i5-6200U dual-core 2.3GHz processor
- 1 x DDR4 SDRAM, max.32GB, 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	6th Gen Intel® Skylake Core i5-6200U Dual Core 2.3GHz
L2 Cache	3.0MB
TDP	15W
System Chipset	Integrated with Intel® SoC
Memory	1 x DDR4L 2133MHz 4GB, Up to 32GB
Harddisk	1 x mSATA 128G SSD / (250G / 500G / 1TB SSD) / 1 x 2.5" SATA
Graphics	Intel HD Graphics 520
Network	Intel® I211-AT 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 <sup>2</sup> )	500 cd/m <sup>2</sup>
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	≤40W
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-P012SAR	12.1" Fanless Waterproof Industrial PC 6th Gen Intel® Skylake Core i5-6200U 2.3GHz 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