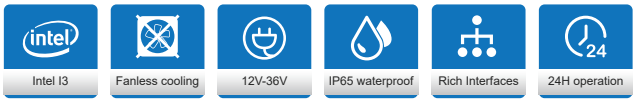
WPPC-121S2-C Series

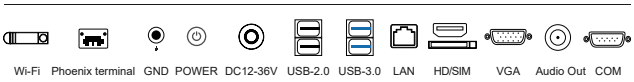
The overall use of flat aluminum alloy panel, fanless fully enclosed integrated design. Meet the requirements of different equipment in different environments. It is widely used in industrial control, military, communication, power, network, intelligent self-service terminal equipment and other automation applications.

Features

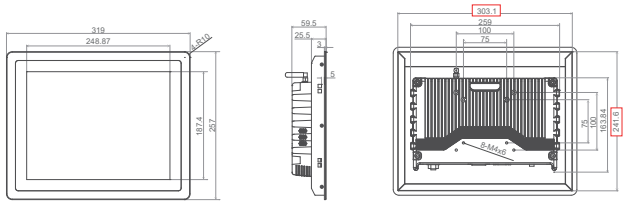
- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Pure flat panel IP65 dust-proof and waterproof.
- High precision aluminum alloy material.
- Self-developed fanless X86 architecture industrial motherboard
- Dual gigabit adaptive Ethernet ports for faster transmission.
- Industrial protection, applicable to various harsh environments.
- Supporting 12V-36V wide voltage power supply;
- Rich interfaces and strong extensibili.



I/O Interface



Dimension



Physical Characteristic

Overall dimensions	W319x H257x D59.5mm
Installation size	W305.1 x H243.6mm
Color	Black, optional silve
Installation	Supports embedded/panel mount, Inner embedded/VESA wall mount by VESA, desktop by VESA, cantilever by VESA

Interface Parameter

PowerSW	1*PowerSW
Power interface	1*Threaded DC connector (Diameter 5.5*2.5mm)
Phoenix terminal	1*2P Phoenix terminal
USB	2*USB2.0, 2*USB3.0
Ethernet	2*LAN, 10M/100M/1000M adaptive Ethernet, 3G/4G customized
HDMI	1*HDMI output, up to 4K
SIM	1*SIM card slot (should be work with 3G/4G module)
VGA	1*VGA
Audio	1*Audio Out, Support audio output
Wi-Fi antenna	2*Wi-Fi antenna
Serial port	2*COM (The default is RS232, optional RS485/RS422)
Speaker	2*(8Ω2W)
Grounding	1*GND

Reliability Parameter

Operating temperature	-10°C~60°C (-20°C~70°C can be customized)
Storage temperature	-20°C~70°C
Relative humidity	95% non-condensing

Specification

Screen Parameter

Display type	12" TFT LCD screen
MAX.resolution	1024*768 (4:3)
Viewing angle(H/V)	85/85/85/85 (L/R/U/D)
Luminance (cd/m²)	500 cd/m²
Contrast ratio	1000:1

Touch Parameter

Touch type	10-point touch projection Capacitive touch screen	Single point Resistive touch	Non-touch
Transmittance	≥88%	≥78%	≥92%
Touch object	Hand or capacitive touch pen	Fingertip or stylus	/
Controller	USB (COM customized)	USB (COM customized)	/

Configuration

CPU	I3-6100U	I3-8145U	I3-10110U
CPU frequency	2.3GHz	2.1GHz	2.1GHz
Integrated graphics	Intel Iris Graphics 520	Intel UHD Graphics 620	Intel UHD Graphics 620
Memory/RAM	4GB DDR4(Optional 8GB/16GB/32GB)	4GB DDR4(Optional 8GB/16GB/32GB/64GB)	8GB DDR4(Optional 16GB/32GB/64GB)
Storage	128GB SSD (Optional 256GB~512GB/1T~4T SSD, 1T/2T HDD)		
Wi-Fi	Dual Band 2.4GHz+5GHz	Watchdog Timer	Support
Bluetooth	BT4.0	RTC real time clock	Support
Operating system	Win7/10/11, Ubuntu/Centos/Redhat/Debian/Linux	Timer switch	Support

Power Parameter

Input voltage	DC 12V~36V	Power adapter	6100U: 24V/2.5A 8145U/10110U: 24V/4A