

# WPPC-190S5-C-J6412

The 2nd Generation i-series industrial Panel PC with 3mm bezel and embedded holes design enables easy panel mounting. It is made of self-developed industrial motherboard with Intel i5 processor and supports 24H operation in different environments. The highly durable aluminum alloy with good heat dissipation enclosure, IP65 protected front, industrial components make it to satisfy various applications such as machinery, automation control, smart factory, transportation, health care, BMS, energy management, robotics, etc.

## Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Aluminum alloy enclosure, panel mount/VESA mount
- IP65 protected flat front panel
- Fanless, excellent heat dissipation design
- Self-developed industrial motherboard
- Intel J6412 CPU
- High compatibility with 99% of industry software



## Interface



## Specification

### Screen Parameter

Display type	19" TFT LCD screen		
MAX_resolution	1280*1024(5:4)		
Viewing angle(H/V)	85/85/80/80 (L/R/U/D)		
Luminance (cd/m <sup>2</sup> )	300 cd/m <sup>2</sup>		
Contrast ratio	1000:1		

### Touch Parameter

Touchscreen	Projection capacitive touch 10-point multi touch	Resistive touch single point	Non-touch
Light transmission	≥88%	≥78%	≥92%
Controller	USB ( COM customized)	USB ( COM customized)	/

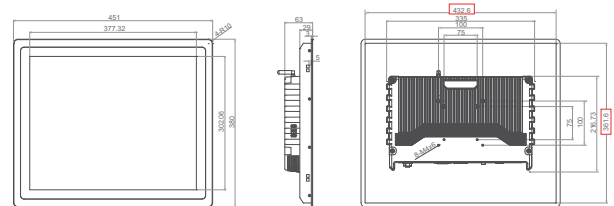
### Configuration

CPU	Intel J6412 Frequency:2.0 GHz, Max Turbo Frequency: 2.60 GHz, 4 cores and 4 threads		
Integrated Graphics	Intel Iris Xe Graphics 80	Wi-Fi	Optional: Dual Band 2.4GHz+5GHz
Memory/RAM	Optional: 4GB/8GB/16GB/32GB DDR4 SO-DIMM	Watchdog Timer	Support
Storage	1" M Key M.2 NVMe socket , Only Support 2280 , without 2.5" Drive Bay	RTC real time clock	Support
Bluetooth	Optional: Bluetooth 4.0	Timer switch	Support
Operating system	WIN10/11, Ubuntu20.04/22.04/Redhat8.7/Debian12.2/Linux-Mint		

### Power Parameter

Power input	DC 12V-36V	Power adapter	24V/5A
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## Dimension



### Physical Characteristic

Overall dimensions	W451 x H380 x D63mm
Installation size	W434.6 x H363.6mm
Color	Black, optional silve
Installation	Supports Panel-mount/Wall-embedded/Wall-mounted/Desktop/Folding mounting/VESA mount/Suspended mounting, etc.

### Interface Parameter

PowerSW	1*PowerSW
Power interface	1*Threaded DC port (Diameter: 5.5*2.5mm)
Phoenix terminal	1*12P Phoenix terminal (Power supply/RS232*1/RS485*1/GPIO*5)
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 I/O, support audio input and output
Wi-Fi antenna	2*Wi-Fi antenna
Speaker	2*(8Ω2W)
Serial port	1*COM (The default is RS232, optional RS485/RS422)
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