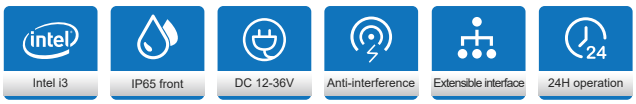
WPPC-215W9-C/R/N Series

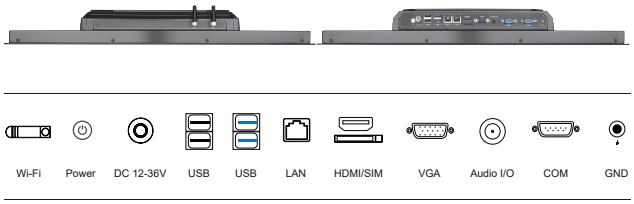
Featuring a 3mm ultra-slim bezel for embedded installation, this panel is powered by a self-developed X86-architecture industrial motherboard that delivers ultra-low power consumption. It finds broad application across industrial automation, including industrial control, military, telecommunications, power systems, network equipment, and intelligent self-service terminals.

Features

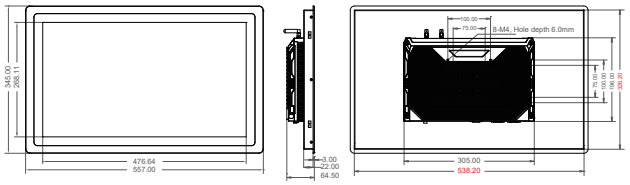
- Designed with a 3mm thick, brushed-finish front bezel optimized for embedded installation
- Featuring a proprietary, industrial-grade X86 motherboard, it offers a variety of configuration solutions
- Powered by the Intel® 12th Generation Core™ i3 / i5 / i7 Processor
- Compatible OS: Windows, Ubuntu, Redhat, Debian etc.
- The device offers industrial-grade protection and meets EMC standards for electromagnetic immunity



I/O Interface



Dimension



Specification

Screen Parameter

Display type	21.5" TFT LCD screen
MAX.resolution	1920*1080（16:9）
Viewing angle(H/V)	89/89/89/89 (L/R/U/D)
Luminance (cd/m²)	250~300 cd/m²
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)	/

Power Parameter

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

Physical Characteristic

Overall dimensions	W557x H345 x D64.5mm
Installation size	W540.2 x H328.2mm
Material	Aluminum alloy
Color	Black, optional silve
Installation	Support Panel-mount, Wall-embedded, Wall-mounted, Desktop, Folding mounting, VESA mount, Suspended mounting, etc.

Interface Parameter

PowerSW	1*PowerSW
Power interface	1*Threaded DC connector (Diameter 5.5*2.5mm)
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
Serial port	2*COM (The default is RS232, optional RS485/RS422)
Wi-Fi antenna	2*Wi-Fi antenna
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

Configuration

CPU	Intel Core i3-1215U / i5-1235U / i7-1255U 12th Generation	Wi-Fi	Dual Band 2.4GHz+5GHz
Memory/RAM	8GB (Supports up to 32GB)	Bluetooth	BT4.0
Storage	128GB SSD (Optional: 256GB/512GB/1TB/2TB/4TB, etc.)	Watchdog Timer	Support
Integrated graphics	Intel Iris Xe Graphics	RTC real time clock	Support
Operating system	Windows10/11, Ubuntu/Redhat/Debian/Linux-Mint	Timer switch	Support