21.5" WIRELESS MODULE DESIGN PANEL PC | PPC-C2127



FEATURES

- 21.5" LED Backlight Display (1920 x 1080 Resolution)
- Intel® Core™ i5-1235U
- 1 x DDR5 4800MHz SO-DIMM Slot, Up to 32GB
- 4 x 1000Mbps Ethernet Port
- 2 x RS232/RS422/RS485 (Configurable Via BIOS)
- DC 12-36V Wide Voltage Input, Supports RVP/SCP/OVP/OCP

SPECIFICATIONS

SYSTEM

Processor	Intel® Core™ i5-1235U Processor, 12M Cache, Up to 4.40GHz, with IPU
GPU	Intel® Iris® Xe Graphics eligible
Memory	1 x DDR5 4800MHz SO-DIMM Slot, Up to 32GB
Storage	1 x M.2 2242/2280 NVMe Interface, 1 x 7+15Pin SATA 3.0 Interface
OS	Windows 10, Windows 11, Linux

DISPLAY

Screen Size	21.5" LED Backlight
Resolution	1920 x 1080 (Full HD)
Brightness	250 nits
View Angle	88° (Left), 88° (Right), 88° (Top), 88° (Bottom)
Contrast Ratio	1000 : 1
MTBF	50,000 hours
Touch Type	10-point Capacitive Touch Screen
Transmittance	≥ 81%
Durability	50 Million Touch Points

MECHANICAL

Structure	Ultra-compact and Fanless Design, Front Panel IP65 Compliant
Dimensions	532.5 x 324 x 79mm
Cut Out Size	520.5 x 312mm

POWER

Input Voltage	DC 12-36V, Support RVP/SCP/OVP/OCP

I/O INTERFACE

Display Interface	1 x HDMI 1.4b, 1 x DP 1.2
LAN	3 x Intel® Ethernet Controller I226-V 1 x Intel® Ethernet Controller I210-AT (PoE Optional)
I/O Ports	2 x RS232/RS422/RS485 4 x USB 3.2 2 x Isolation RS232 1 x Remote Switch
Expansion Slot	1 x M.2 Key E 2230 Slot (Supports Wi-Fi 6 Module) 1 x M.2 Key B 3052/3042 Slot (Supports 4G/5G Module)

ENVIRONMENTAL

Operating Temperature	0°C to 50°C (with Normal Grade RAM & SSD) -20°C to 60°C (with Industrial Grade RAM & SSD)
Storage Temperature	-20°C to 60°C (Non-operating)
Humidity	95% Relative Humidity @ 40°C, Non-condensing
Vibration (OP)	5~500Hz, 1Grms
Shock (OP)	15g, 11ms, 1Grms
EMC	CE Class A

Options

SYSTEM

Storage	M.2 SSD Support: 128GB, 256GB, 512GB, 1TB, 2TB 2.5-inch Hard Drive Expansion: 128GB, 256GB, 512GB, 1TB, 2TB

Expansion Card

MXIO Expansion Card 1	2 x Isolated RS232 COM Ports (DB9 Connector)
MXIO Expansion Card 2	2 x CAN (Controller Area Network) ports 4 x Isolated Digital Inputs (DI) 4 x Isolated Digital Outputs (DO) Dual-layer European Terminal
MXIO Expansion Card 3	4 x Isolated Digital Inputs (DI) 4 x Isolated Digital Outputs (DO) 4 x Light Source Interfaces

Communications

4G/5G Module	4G/5G Module with Antenna
Wi-Fi & Bluetooth Module	WiFi & Bluetooth Module with Antenna

Others

PoE Power Supply Card	One Port: 25W (Max) Four Ports: 60W (Max) Supports IEEE 802.3at Protocol
Embedded Clip	Metal Structure Fixed Button Assembly Material: SUS304 Stainless Steel Thickness: 3.0mm Dimensions: 24 x 21.7 x 23mm Finish: Brushed 180 Mesh, Natural Color

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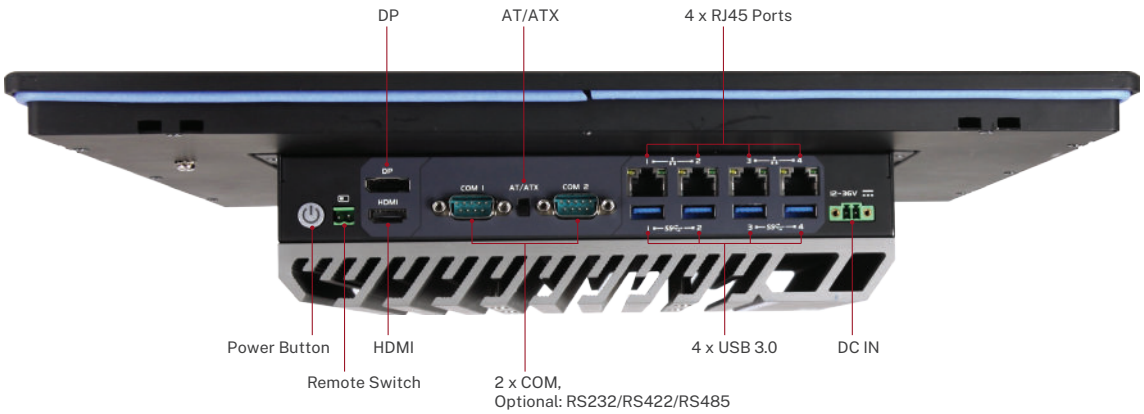
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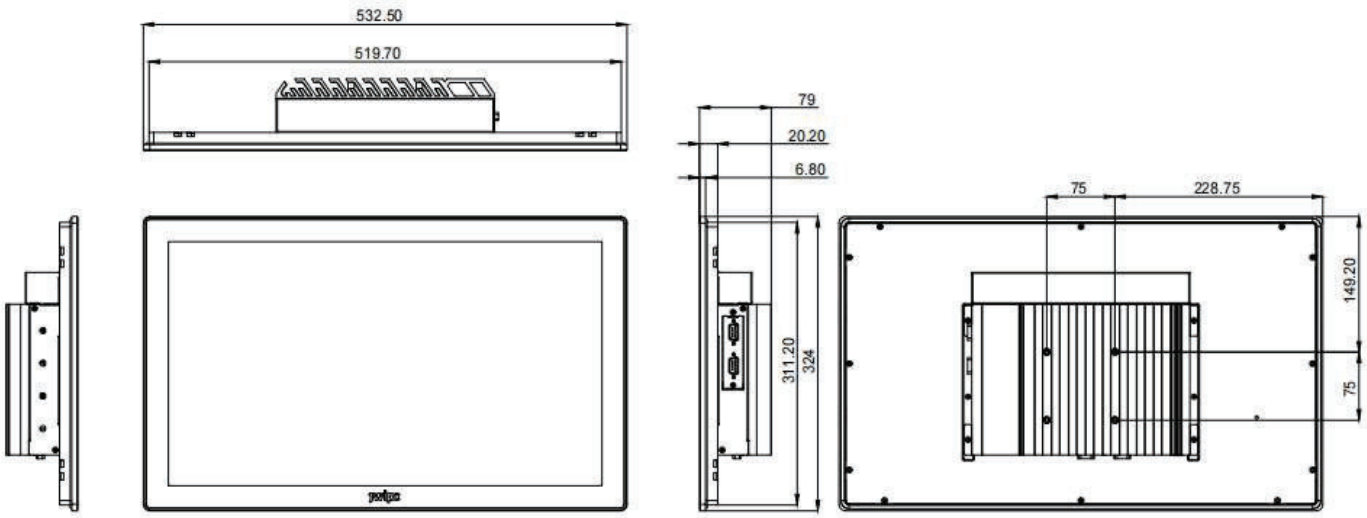
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SYSTEM LAYOUT



PRODUCT DIMENSIONS

Unit: mm



CUT OUT Dimensions: 520.5 $^{+1.0}_{-0}$ x 312 $^{+1.0}_{-0}$ mm

MARKET & APPLICATIONS:

Smart Factories

Wind Power Systems

Solar Photovoltaics (PV) Systems

Environmental Monitoring Industries

Industrial Automation

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