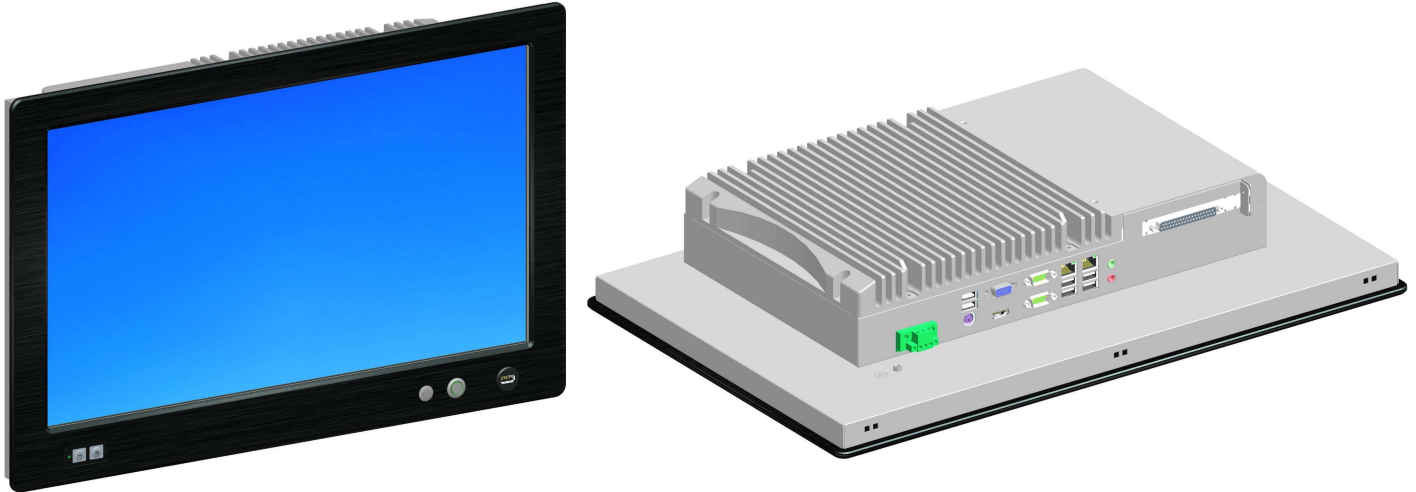


Model: PPC-21WM1
21.5" Fanless Intel Core i3/i5/i7/i9 Touch Panel PC - 6 x COM; IP65 front protection; and PCI-E 3.0 X16;



Application:

Factory Automation; Processor Automation; Power Generation; Marine / Offshore Industrial; Kiosk ...

Main Feature

- LED Panel - Higher Brightness; Longer Life Span; Better Viewing Angle; Less Power Consumption ...
- 21.5" Full HD LED Panel support 1920 x 1080 pixels
- Front Dimming Control (0-100%), PWR / Reset and USB port
- Support Intel® 12/13/14th Gen. Core™ i processor (LGA1700)
- NEMA4 / IP 65 compliant 6mm Aluminum front bezel
- Aesthetic ultra-thin front bezel for minimize stain water & dust
- 6 x COM (COM1 &2 supporting RS232/422/485)
- PCI-E 3.0 X16 Expansion slots
- Panel (Flush) mounting with clip
- Meet marine standard IEC60945

| Specification | |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Product Model | PPC-21WM1 |
| CPU | Support Intel®LGA1700 Socket Core Celeron/i3/i5/i7/i9 Processor |
| Chipset | Intel H610 |
| Memory | 2 x DDR4 SO-DIMM Socket up to 64GB |
| Storage | Space for 1 x 2.5" HDD/SSD SATA 3.0, and M.2 Key M 2260/2280 NVME PCIE3.0 X4 |
| Display <i>(Optional: upgrade to Sunlight Readable, 1,000nit brightness)</i> | Display Type : 21.5" Full HD LED Panel LCD Resolution : 1920 x 1080 Luminance : 300 cd/m2 View Angel : 178° (H), 178° (V) |
| Audio | Realtek ® ALC897, 7.1 channel surround audio |

| | |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAN | 2 x Intel® i210AT, Gigabit LAN Controller |
| USB / PS2 port | 1 x USB 2.0 (front), and 2 x USB 2.0 (rear) + 4 x USB 3.0 (Rear), 1 x PS2 |
| COM port | 2 x RS232/422/485 (COM 1 & 2 - Selectable), and 4 x RS232 |
| Graphic | Intel HD Graphic Accelerator, with VGA and HDMI 1.4 output |
| Expansive interface | PCI-E 3.0 X16; 1 x M.2 Key E 2230 WIFI |
| Front and Rear I/O port | 2 x RJ45; 6 x USB 2.0/3.0; 1 x VGA; 1 x HDMI; 1 x Lin-in / Lin-out; 2 x COM (Optional 6 x COM), 1 x PS2, 1 x Power Switch/Reset; 1 x DC input terminal |
| Supporting OS | Microsoft® Windows 10 LTSC, Microsoft® Windows 11, Linux |
| Touch Screen (Optional: PCT Touch with AR Glass) | Touch Type 5-wire analog resistive, with optional projected capacitive touch Light Transmission 80+/-5% Controller USB interface Durability 35 million touches |
| Wireless LAN (optional) | M.2 Key E 2230 WIFI Module with Antenna |
| Power Supply | 12-24VDC input with 110-240VAC Adapter |
| Construction | Heavy duty steel and aluminum front panel |
| Environment | Operating temperature: -15°C to 60°C Relative humidity: 10% to 90%non-condensing Vibration: 17 to 500HZ 1G PTP; Shock: 1G /peak(11m sec) |
| Compliance | CE; FCC; ROHS |
| Dimension W x H x D (mm) | 550 x 355 x 110 |

Ordering Information

| | |
|----------------------|-----------------------------------------------------------------------------|
| PPC-21WM1 | 21.5" Industrial Fanless Touch Panel PC, with PCI-E 3.0 X16 Expansion slots |
| Optional - i3 | Intel Core i3 Processor i3 - 12100T to i3 -14100T |
| Optional - i5 | Intel Core i5 Processor i5 - 12400T to i5 -14400T |
| Optional - i7 | Intel Core i7 Processor i7 - 12700T to i7 -14700T |
| Optional - RAM | 8 to 64GB DDR4 SO-DIMM RAM |
| Optional - HB | upgrade to Sunlight Readable, 1,000nit brightness |
| Optional - SSD / HDD | 128 GB to 2TB SSD / 500GB to 1TB 2.5" SATA HDD |
| Optional - OS | Microsoft® Windows 10 LTSC, Microsoft® Windows 11, Linux |

Structure Diagram (Mounting Hole / Cut-Off Size: 538 x 343 mm)

