

**Model: PPC-321WN**  
**21.5" Fanless Panel PC with Intel® processor (11<sup>th</sup> to 12<sup>th</sup> Gen.)**

**Main Feature**

- LED Panel - Higher Brightness; Longer Life Span; Better Viewing Angle; Less Power Consumption ...
- 21.5" Full HD LED Panel support 1920x1080 pixels, true-Flat TFT LCD Projected capacitive touch
- Intel 11<sup>th</sup> to 12<sup>th</sup> Generation Intel® N5100 to Core™ i5 1235U / i7 1255U
- Aluminum Magnesium Alloy front bezel
- NEMA4 / IP 65 compliant front panel, with Rugged construction design
- Support TPM2.0 hardware security
- 2 x COM port, COM2 supports RS232/485
- WIFI Module with Antenna and Blue Tooth
- Panel (Flush) mounting with clip
- Meet standard VESA hole ( 75 x 75 & 100 x 100mm), support desk top stand / wall mount / swing arm mounting



**Application:** Factory Automation, Processor Automation, Power Generation, Marine / Offshore Industrial, Kiosk ...

| Specification       |   |
|---------------------|---|
| Product Model       | PPC-321WN   |
| CPU                 | Intel® Celeron™ N5100 Processor (Quad Core, 2.8GHz, 4M Cache)<br>Optional (i5 - 1235U and i7 - 1255U)                                   |
| Chipset             | Intel® SOC integrated   |
| Memory              | 8GB included  |
| Storage             | 1 x M.2. 2280 NVME, 128GB SSD included  |
| Display             | Display Type : 21.5" Full HD <b>LED Panel</b><br>LCD Resolution : 1920 x 1080<br>Luminance : 250 nit<br>View Angel : 178° (H), 178° (V) |
| Audio               | MIC and Line-Out  |
| LAN                 | 2 x Intel® i210 GbE LAN (Or Realtek 8111E)  |
| USB port            | 2 x USB 2.0 and 2 x USB 3.0   |
| Display output      | Intel® UHD Graphics, Max. resolution @ 4K, with HDMI 2.0 output   |
| Expansive interface | 1 x M.2 (4G Module)   |
| Back panel I/O port | 2 x RJ45, 4 x USB 2.0/3.0, 1 x HDMI, 1 x Lin-out / MIC, 2 x COM, 1 x Power Switch, DC input terminal (12-24VDC)                         |
| Power Supply        | Input: 100-240VAC, 50/60Hz;      Output: DC 12V/ 4A adapter   |
| Supporting OS       | Windows 7/10/11; Linux  |

|                              |   |
|------------------------------|---|
| Hardware Security            | TPM 2.0   |
| Touch Screen                 | Internal USB interface controller - Projected Capacitive Multi Touch (10 points)<br>Light transmission: 85% or more<br>Surface hardness : 7H<br>Operation system : Windows XP / 7 / 10 / 11; Linux  |
| Wireless LAN & BT            | M.2 WIFI Module with Antenna, Blue tooth 5.1  |
| Construction                 | Heavy duty steel and aluminum front panel   |
| Environment                  | Operating temperature: -20 °C to 60 °C<br>Storage temperature: -30 °C to 80 °C<br>Storage humidity: 10% to 90% non-condensing<br>Vibration operate SSD: 3 Grms, IEC 60068-2-64, random, 5-500 Hz, 1 hr/axis<br>Shock operate SSD: 30 G, IEC 60068-2-27, half sine, 11 ms duration |
| Compliance                   | CE; FCC; ROHS   |
| Dimension W x H x D ( mm )   | 537 x 324 x 58  |
| <b>Ordering Information:</b> |   |
| PPC-321WN                    | <b>21.5" Fanless Panel PC with Intel® Celeron™ N5100 Processor</b>  |
| (Optional) i5 - 1235U        | upgrade processor to Intel® Core™ i5 - 1235UU (10 x Cores, up-to 4.4GHz, 12M Cache)   |
| (Optional) i7 - 1255U        | upgrade processor to Intel® Core™ i7 - 1255UU (10 x Cores, up-to 4.7GHz, 12M Cache)   |
| (Optional) RAM               | Update to 16 to 64GB RAM  |
| (Optional) SSD / HDD         | Update to 256 to 2TB SSD  |
| (Optional) OS                | Windows 7 / 10 / 11 Pro. or IoT Enterprise, Linux   |

## Structure Diagram

