

**Model: PPC-4121W**  
**12.1" Intel® 12th Gen. Core™ i3 1215U Enhanced Multi-Touch Panel PC**



### Main Feature

- LED Panel – Higher Brightness; Longer Life Span; Better Viewing Angle; Less Power Consumption ...
- 12.1" WXGA LED Panel support 1280 x 800 pixels
- Intel 12th Gen Intel® Core™ U-series (i3 12150U, i5 1235U, i7 1255U)
- 6mm Aluminum Magnesium Alloy front bezel
- NEMA4 / IP 65 compliant front panel, with Rugged construction design
- Front flat glass (7H Hardness) with projected capacitive Multi Touch Screen
- Wide input power range (12 ~ 24 VDC)
- 2 x COM ( 1 x RS232/485), 3 x Independent displays
- (Optional – WIFI) Mini PCI-E, WIFI Module with Antenna
- Panel (Flush) mounting with clip
- Meet standard VESA hole (100 x 100mm), support desk top stand / wall mount / swing arm mounting

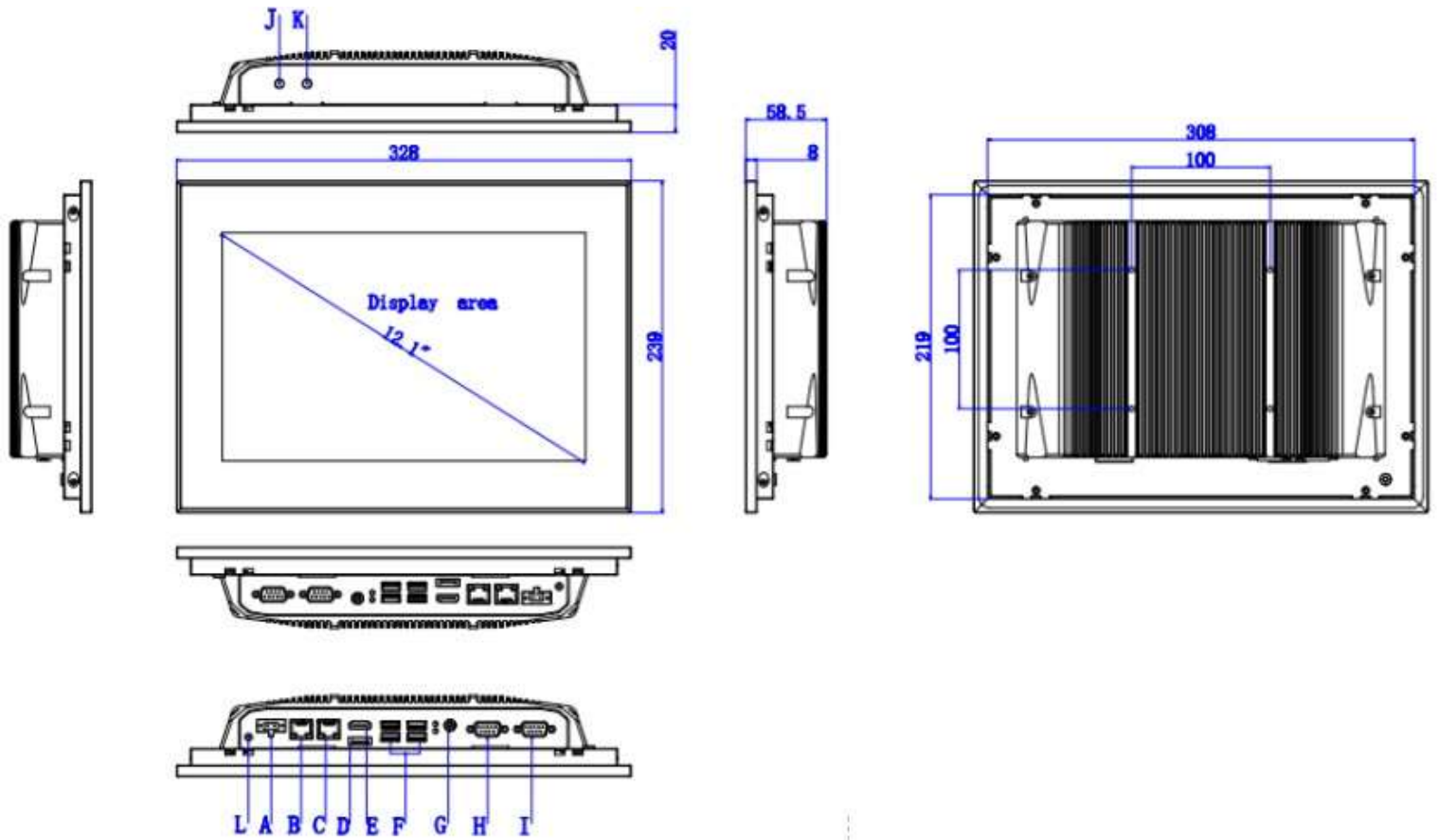
### Application:

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

| Specification |  |
|---------------|--|
| Product Model | PPC-4121W  |
| Processor     | Intel® Core™ i3 1215U Processor (6 x Cores, 3.3 to 4.4GHz, 10M Cache)                            |
| Chipset       | Intel® SOC integrated  |
| Memory        | 1 x DDR4 SO-DIMM Socket up to 32GB   |
| Storage       | 1 x M.2 2280 (SATA 3.0)  |
| Display       | Display Type : 12.1" WXGA <b>LED Panel</b><br>LCD Resolution : 1280 x 800<br>Luminance : 400 nit |

|                             |   |
|-----------------------------|---|
|                             | View Angel : 170° (H), 170° (V)   |
| LAN                         | 2 x Intel® i210-IT GbE LAN  |
| USB port                    | 2 x USB 3.0 and 2 x USB 2.0   |
| Expansive interface         | 1 x Mini PCI-E (full size)  |
| Back panel I/O port         | 2 x RJ45, 4 x USB 3.0/2.0, 2 x COM, 1 x Power Switch, DC input terminal (12-24VDC)  |
| Supporting OS               | Windows 7/10/11; Linux  |
| 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 10 / 11; Linux   |
| Wireless LAN ( optional )   | MINI PCI-E WIFI Module with Antenna   |
| Construction                | Heavy duty steel and aluminum front panel   |
| Environment                 | Operating temperature: -10 °C to 60 °C<br>Storage temperature: -20 °C to 70 °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 )  | 328 x 239 x 59 (Net Weight: 3.6kg)  |
| <b>Ordering Information</b> |   |
| PPC-4121W                   | 12.1" wide screen Enhanced Touch Panel PC with Intel® Core™ i3 1215U  |
| (Optional) AC to DC Adapter | 12VDC/60watt Power Adapter, input 110-240VAC  |
| (Optional) upgrade to i5    | Intel® Core™ i5 1235U   |
| (Optional) upgrade to i7    | Intel® Core™ i7 1255U   |
| (Optional) RAM              | 8 to 32GB DDR4 SO-DIMM RAM  |
| (Optional) SSD              | 64GB to 2TB SSD (M.2 2280, SATA 3.0)  |
| (Optional) OS               | Windows 10 /11 Professional, Linux  |

**Structure Diagram (Panel cut-off dimension: 311 x 222mm)**



- |                        |                |                |                         |                |               |
|------------------------|----------------|----------------|-------------------------|----------------|---------------|
| <b>A: DC Input</b>     | <b>B: GLAN</b> | <b>C: GLAN</b> | <b>D : Display Port</b> | <b>E: HDMI</b> | <b>F: USB</b> |
| <b>G: Power Switch</b> | <b>H: COM</b>  | <b>I: COM</b>  | <b>J/K: Antenna</b>     |                |               |