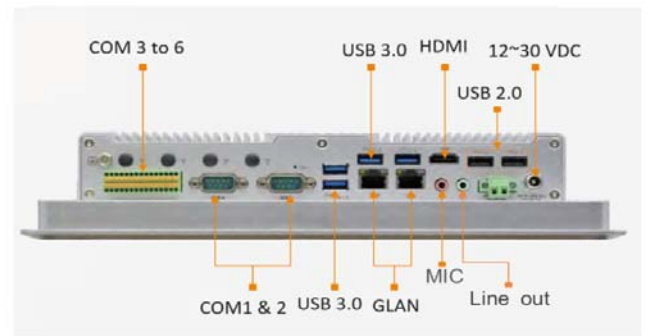


Model: PPC-312
12.1" Fanless Panel PC with Intel® Core™ i5 processor (8th to 12th Gen.)

Main Feature

- LED Panel - Higher Brightness; Longer Life Span; Better Viewing Angle; Less Power Consumption ...
- 12.1" XGA LED Panel support 1024x768 pixels
- Intel 8th to 12th Generation Intel® Core™ i5
- Aluminum Magnesium Alloy front bezel
- NEMA4 / IP 65 compliant front panel, with Rugged construction design
- Support TPM2.0 hardware security
- 6 x COM port, COM2 supports RS232/422/485
- (Optional - WIFI) M.2 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-312 |
| CPU | Intel® Core™ i5 8260U Processor (Quad Core, 3.9GHz, 6M Cache) |
| Chipset | Intel® SOC integrated |
| Memory | 2 x DDR4 SO-DIMM Socket up to 64GB |
| Storage | 1 x 2.5" SSD/HDD drive bay, 1 x mSATA (full size). 1 x M2. 2280 NVME |
| Display | Display Type : 12.1" XGA <u>LED Panel</u> LCD Resolution : 1024 x 768 Luminance : 400 nit View Angel : 160° (H), 160° (V) |
| Audio | MIC and Line-Out |
| LAN | 2 x Intel® i210 AT GbE LAN |
| USB port | 6 x USB 3.0/2.0 |
| Display output | Intel® HD Graphics 620, Max. resolution @ 1920 x 1200, with HDMI output |
| Expansive interface | 1 x M.2 E Key 2230, 1 x M.2 B Key 2242 |
| Back panel I/O port | 2 x RJ45, 6 x USB 3.0/2.0, 1 x HDMI, 1 x Lin-out / MIC, 6 x COM, 1 x Power Switch, DC input terminal (12-30VDC) |
| Supporting OS | Windows 7/10/11; Linux |
| Hardware Security | TPM 2.0 |
| Touch Screen | Internal USB interface controller - Projected Capacitive Multi Touch (10 points) Light transmission: 85% or more |

| | |
|------------------------------|---|
| | Surface hardness : 7H Operation system : Windows XP / 7 / 10 / 11; Linux |
| Wireless LAN (optional) | M.2 WIFI Module with Antenna |
| Construction | Heavy duty steel and aluminum front panel |
| Environment | Operating temperature: -10 °C to 60 °C Storage temperature: -20 °C to 80 °C Storage humidity: 10% to 90% non-condensing Vibration operate SSD: 3 Grms, IEC 60068-2-64, random, 5~500 Hz, 1 hr/axis 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) | 298 x 243 x 62 |
| Ordering Information: | |
| PPC-312 | 12.1" Fanless Panel PC with Intel® Core™ i5 8260U Processor |
| (Optional) I5 - 10210U | upgrade processor to Intel® Core™ i5 - 10210U (Quad Core, 1.6 to 4.2GHz, 6M Cache) |
| (Optional) i5 - 1135G7 | upgrade processor to Intel® Core™ i5 - 1135G7 (Quad Core, 2.4 to 4.2GHz, 8M Cache) |
| (Optional) AC to DC | 12VDC/5A 60watt Power Adapter, input 110-240VAC |
| (Optional) RAM | 8 to 64 DDR4 SO-DIMM RAM |
| (Optional) SSD / HDD | 128GB to 2TB SSD, 500GB to 2TB 2.5" SATA HDD |
| (Optional) OS | Windows 7 / 10 / 11 Pro. or IoT Enterprise, Linux |

Structure Diagram (Panel Cut-off: 285 x 247mm)

