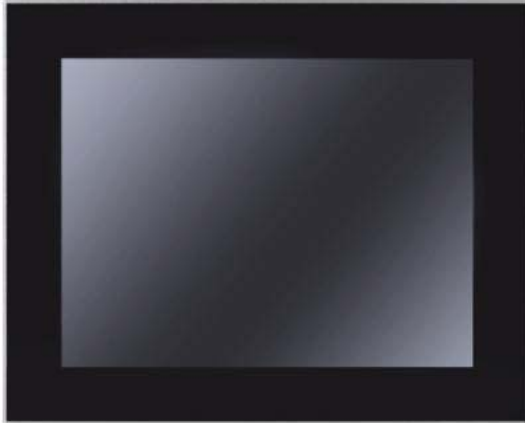


**Model:** TPC-5106(V1)  
**Modular 10.4" LED, 12th Gen. Intel® Core™ N-series Multi-Touch Panel Computer**



### Main Feature

- LED Panel - Higher Brightness; Longer Life Span; Better Viewing Angle; Less Power Consumption ...
- 10.4" XGA LED Panel support 1024x768 pixels
- Intel® 12th Gen Intel® Core™ Processor N-series
- 8mm 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
- Supports 10 points multi-touch in Windows 7/10/11...
- 2 x RS232/485 (with surge protection, auto flow control - for RS485)
- (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 | TPC-5106(V1)  |
| CPU           | <ul style="list-style-type: none"> <li>➢ Intel® Celeron® Processor J6412 (Quad Core, 2.0 to 2.6GHz)</li> <li>➢ Intel® Alder LAKE N97 Quad-Core (up to 3.6GHz)</li> <li>➢ Intel® Alder LAKE i3 N305 8 x Core (up to 3.8GHz)</li> </ul> |
| Chipset       | Intel® SOC integrated   |
| Memory        | 1 x DSO-DIMM Socket up to 8GB / 32GB  |
| Storage       | 1 x 2.5" SSD/HDD drive bay, 1 x mSATA (full size)   |
| Display       | Display Type : 10.4" XGA <u>LED Panel</u><br>LCD Resolution : 1024 x 768  |

|                             |   |
|-----------------------------|---|
|                             | Luminance : 350 cd/m2<br>View Angel : 150° (H), 150° (V)  |
| Audio                       | Intel® smart sound technology usb audio   |
| LAN                         | 2 x Intel® i210-IT GbE LAN  |
| USB port                    | 4 x USB 3.0/2.0   |
| Display output              | Intel® UHD Graphics, Max. resolution @ 1920 x 1200, with VGA + DVI output   |
| Expansive interface         | 2 x Mini PCI-E (full size, with SIM Holder)<br>Optional (Expansion card - only add-on one of them): 2 x USB 2.0; 2 x GLAN; 2 x RS 232/485 (Isolated); 16 x DIO (Isolated, 8 Input & 8 Relay Output)   |
| Back panel I/O port         | 2 x RJ45, 4 x USB 3.0/2.0, 1 x VGA, 1 x DVI, 1 x Lin-out, 2 x RS232/485, 1 x Power Switch, 1 x PS2 (KB & Mouse), DC input terminal (12-24VDC)   |
| Supporting OS               | DOS; 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 : DOS; Windows XP / 7 / 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 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 )  | 299 x 239 x 65  |
| <b>Ordering Information</b> |   |
| TPC-5106 (V1)               | Modular 10.4" LED Multi-Touch Panel Computer, with Intel® Celeron® Processor J6412 (Quad Core, 2.0 to 2.6GHz)   |
| (Optional) N97              | upgrade processor to Intel® Alder LAKE N97 Quad-Core (up to 3.6GHz)   |
| (Optional) N305             | upgrade processor to Intel® Alder LAKE i3 N305 8 x Core (up to 3.8GHz)  |
| (Optional) eUSB             | 2 x USB 2.0 Expansion card  |
| (Optional) eCOM2            | 2 x isolated RS 232/485 Expansion card  |
| (Optional) eDIO16           | 16 x DIO (Isolated, 8 Input & 8 Relay Output) Expansion card  |
| (Optional) eGLAN            | 2 x GLAN Expansion card   |
| (Optional) AC to DC Adapter | 12VDC/5A 60watt Power Adapter, input 110-240VAC   |
| (Optional) RAM              | 4 to 8 DDR3L SO-DIMM RAM (For 8th Gen. J6412 & i3 - 8130U, 8 to 16 DDR4 RAM)  |
| (Optional) SSD / HDD        | 128GB to 2TB 2.5''SSD, 500GB to 2TB 2.5'' SATA HDD  |
| (Optional) OS               | DOS, Windows 7 / 8.1 / 10 / 11 Professional or IoT, Linux   |

Structure Diagram (Panel cut-off dimension: 281 x 221mm)

