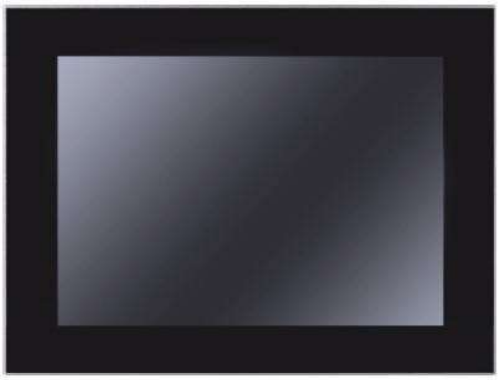
## Model: TPC-6121W

## 12.1" Multi-Touch Fanless Panel Computer with 6-9th Gen. Intel® Core™ i3/i5/i7 processors





## 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 6/7/8/9th Gen. Intel® Core™ i3/i5/i7 processor
- 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 7/8.1/10…
- 4 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

## Application

- Factory Automation; Processor Automation; Power Generation; Marine / Offshore Industrial; Kiosk …

| Specification | |
|---|---|
| **Product Model** | **TPC-6121W** |
| Processor | Supports 6/7/8/9th Gen Intel® Core™ / Pentium® / Celeron® processors for LGA 1151 socket |
| Chipset | Intel® H110 |
| Memory | 2 x DDR4 SO-DIMM Socket up to 64GB |
| Storage | Space for 1 x M.2 (2280) and 1 x mSATA |
| Display | Display Type : 12.1" XGA **LED Panel**<br>LCD Resolution : 1280 x 800<br>Luminance : 400 nit<br>View Angel : 170° (H), 170° (V) |
| LAN | 3 x Intel® i210 / i211 GbE LAN |
| USB port | 4 x USB 3.0/2.0 and 2 x USB 2.0 |
| Display output | Intel® HD Graphics HDMI output |
| COM port | 4 x optical isolated RS232/485 (with 8KV ESD and 600W Surge protection), RS-485 supporting auto flow control |
| Expansive interface | 1 x Mini PCI-E (full size) |

| | |
|---|---|
| Back panel I/O port | 3 x RJ45, 4 x USB 3.0/2.0, 2 x 2.0, 1 x HDMI, 4 x RS232/485, 1 x Power Switch, 8 x DI & 8 x DO, DC input terminal (12-24VDC) |
| Supporting OS | Windows 10; Linux; Real-time operating system (RTOS) such as VxWorks, INtime… |
| 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 | 328 x 239 x 74mm |

| **Ordering Information:** | |
|---|---|
| **TPC-6121W** | 12.1" Multi-Touch Fanless Panel Computer |
| **(Optional) Intel Processor** | Refer to "Processor List" |
| **(Optional) AC to DC Adapter** | 12VDC/120watt Power Adapter, input 110-240VAC |
| **(Optional) RAM** | 8 to 64 DDR4 SO-DIMM RAM |
| **(Optional) SSD / HDD** | 128GB to 2TB SSD |
| **(Optional) OS** | Windows 7 or 10 Professional , Windows 10 IoT Enterprise |

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

