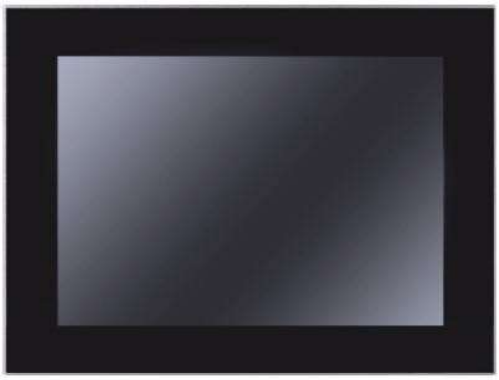
Model: TPC-6121W

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** LCD Resolution : 1280 x 800 Luminance : 400 nit 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) Light transmission: 85% or more Surface hardness : 7H 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 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	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)

