Model: TPC-5126

Modular 12" LED, 7/8th Gen. Intel® Core™ i3/5/7 Multi-Touch Panel Computer

Main Feature

- LED Panel – Higher Brightness; Longer Life Span; Better Viewing Angle; Less Power Consumption …
- 12.1" XGA LED Panel support 1024x768 pixels
- Intel 7/8th Gen Intel® Core™ U-series (Celeron, i3/i5/i7)
- 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 7/8.1/10/11…
- 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

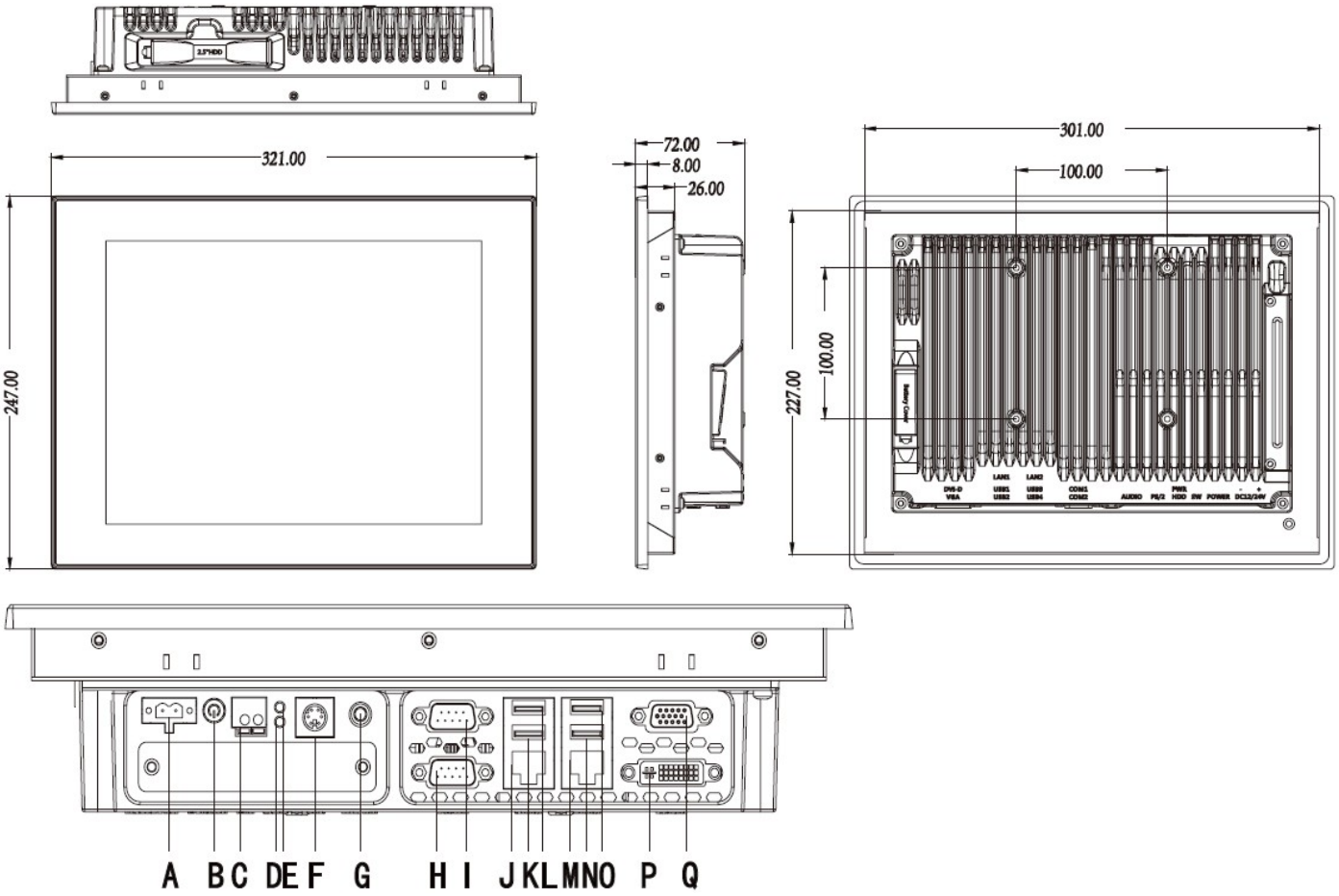
Application:

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

Specification	
Product Model	**TPC-5126**
CPU	Intel® Celeron® Processor 4205U Processor (Dual Core, 1.8GHz, 2M Cache)
Chipset	Intel® SOC integrated
Memory	1 x DDR3L SO-DIMM Socket up to 8GB (8th Gen. processor up the 16GB DDR4 RAM)
Storage	1 x 2.5" SSD/HDD drive bay, 1 x mSATA (full size)
Display	Display Type : 12.1" XGA **LED Panel** LCD Resolution : 1024 x 768 Luminance : 400 cd/m2 View Angel : 160°(H), 160°(V)

Audio	Realtek ALC662 6 channel HD Audio, Line-Out
LAN	2 x Intel® i210-IT GbE LAN
USB port	4 x USB 3.0/2.0
Display output	Intel® HD Graphics 520/620, Max. resolution @ 1920 x 1200, with VGA + DVI output
Expansive interface	2 x Mini PCI-E (full size, with SIM Holder) 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 7/8.1/10/11; Linux
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 / 8.1 / 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 (mm)	321 x 247 x 72
Ordering Information	
TPC-5126	Modular 12.1" LED Multi-Touch Panel Computer, with Intel® Celeron® Processor 4205U (Dual Core, 1.8GHz, 2M Cache)
(Optional) Celeron - J6412	upgrade processor to Intel® Celeron® Processor J6412 (Quad Core, 2.0 to 2.6GHz)
(Optional) i3 - 8130U	upgrade processor to Intel® Core™ i3 8130U (Dual Core, 2.2 to 3.4GHz, 4M Cache)
(Optional) i5 - 7200U	upgrade processor to Intel® Core™ i5 7200U (Dual Core, 2.5 to 3.1GHz, 3M Cache)
(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: 305 x 231mm)



A: DC Input	**B:** Power Switch	**C:** Remote Switch
D: PWR LED	**E:** HDD LED	**F:** PS2
G: Audio Out	**H:** COM 1	**I:** COM 2
J: GLAN 2	**K:** USB 3.0/2.0	**L:** USB 3.0/2.0
M: GLAN 1	**N:** USB 3.0/2.0	**O:** USB 3.0/2.0
P: DVI	**Q:** VGA	