

**Model: PPC-6170T**  
**17" Fanless Intel Core i3/5/7 Touch Panel PC - 6 x COM**  
**IP65 front protection; 2 x PCI or PCI + PCI-E X4**



Front USB  
PWR On/Off



2 x PCI or PCI-E X4  
Expansion Slots



8KV ESD, TVS 600W Surge  
Protection for COM port



Direct HDD connection  
No internal cabling

## Application:

Factory Automation; Processor Automation; Power Generation; Marine / Offshore Industrial; Kiosk ...

## **Main Feature**

- LED Panel - Higher Brightness; Longer Life Span; Better Viewing Angle; Less Power Consumption ...
- 17" SXGA LED Panel support 1280x1024 pixels
- Support Intel®LGA1155 Socket Core Celeron / i3/i5/i7 Processor
- 6mm Aluminum Magnesium Alloy front bezel (with PET protection film) - light weight design
- NEMA4 / IP 65 compliant front panel, with Rugged construction design
- Aesthetic ultra-thin front bezel for minimize stain water & dust

- 6 x COM (COM3 &4 could set to RS232/485)
- 2 x PCI or PCI + PCI-E X4 Expansion slots
- Panel (Flush) mounting with clip
- (Optional - WIFI) MINI PCI-E WIFI Module with Antenna

Specification	
Product Model	PPC-6170T
CPU	Support Intel®LGA1150 Socket Core Celeron/i3/i5/i7 Processor
Chipset	Intel H81
Memory	2 x DDRIII SO-DIMM Socket up to 16GB
Storage	Space for 1 x 2.5" HDD/SSD
Display	Display Type : 17" SXGA <b>LED Panel</b> LCD Resolution : 1280 x 1024 Luminance : 300 cd/m2 View Angel : 140° (H), 130° (V)
Audio	Realtek ® ALC662, 5.1 channel surround audio
LAN	2 x Intel® i210 (or Realtek RTL8111E), Gigabit LAN Controller
USB port	1 x USB 2.0 (front) & 4 x USB 3.0 (Rear), with 8KV ESD protection
COM port	4 x RS232 & 2 x RS232/485 (Selectable), with 8KV ESD & TVS 600W Surge protection
Graphic	Intel HD Graphic Accelerator, with VGA/DVI output
Expansive interface	2 x PCI or PCI + PCI-E X4; 1 x Mini PCI-E
Back panel I/O port	2 x RJ45; 4 x USB 2.0/3.0; 1 x VGA; 1 x DVI; 1 x Lin-in / Lin-out; 4 x RS232; 2 x RS232/485; 1 x Power Switch; 1 x DC input terminal
Supporting OS	Windows 7 & 10; Linux
Touch Screen	Internal USB or RS-232 <u>industrial grade 5 wire Resistive Touch controller</u> Resolution: 4096 x 4096 Light transmission: 80% or more Surface hardness : 3H Operating force : ≤100g Life expectancy : 35 Million Operation system : Window 2000 / XP / Vista / 7 / CE, DOS , Linux
Wireless LAN ( optional )	MINI PCI-E WIFI Module with Antenna
Power Supply	12VDC input with termination block
Construction	Heavy duty steel and aluminum front panel
Environment	Operating temperature: -15°C to 60°C Relative humidity: 10% to 90%non-condensing Vibration: 17 to 500HZ 1G PTP; Shock: 1G /peak( 11m sec)
Compliance	CE; FCC; ROHS
Dimension W x H x D ( mm )	433 x 343 x 110

## Ordering Information

PPC-6170T	17" Industrial Fanless Touch Panel PC , with Intel® Pentium ® Processor G3220 (3.0 GHz, 3M Cache, Dual Core) , with 2 x PCI Expansion slots
Optional - PCI-E	Upgrade to 1 x PCI & 1 x PCI-E X4 (Expansion Slots)
Optional - i3	Upgrade to Intel Core i3 Processor 4130 (3.4 GHz, 3M Cache, Dual Core)
Optional - i5	Upgrade to Intel Core i5 Processor 4570T (2.9 - 3.6 GHz, 4M Cache, Dual Core)
Optional - i5	Upgrade to Intel Core i5 Processor 4460S (2.9 - 3.4 GHz, 6M Cache, Quad Core)
Optional - i5	Upgrade to Intel Core i5 Processor 4590T (2.0 - 3.0GHz, 6M Cache, Quad Core)
Optional - i7	Upgrade to Intel Core i7 Processor 4470S (3.1 - 3.7GHz, 8M Cache, Quad Core)
Optional - DC	Support DC input (7-30VDC)
Optional - RAM	4 to 16GB DDRIII SO-DIMM RAM
Optional - SSD / HDD	128 GB to 1TB SSD / 500GB to 1TB 2.5" SATA HDD
Optional - WIFI	MINI PCI-E WIFI Module with Antenna
Optional - OS	Windows 7 or 10 Professional, Linux

## Structure Diagram (Mounting Hole / Cut-Off Size: 412 x 326 mm) Unit: mm

