

# PPC-179T

## 17" Panel PC with Intel® Core™2 Duo Processor

**NEW**



### Features

- 17" TFT SXGA LCD
- Intel® Core™2 Duo LGA775 Socket-based processor up to 3.0 GHz
- Supports 240-pin DDR3 1333/1066 DIMM x2 Up to 4 GB
- Rugged die-cast aluminum housing with removable plastic front bezel
- Supports One Mini PCIe socket, Dual Gigabit Ethernet
- One PCI and one PCIe expansion slot
- One RS-232/422/485; (supporting Auto-flow control, jumper-selected)



### Introduction

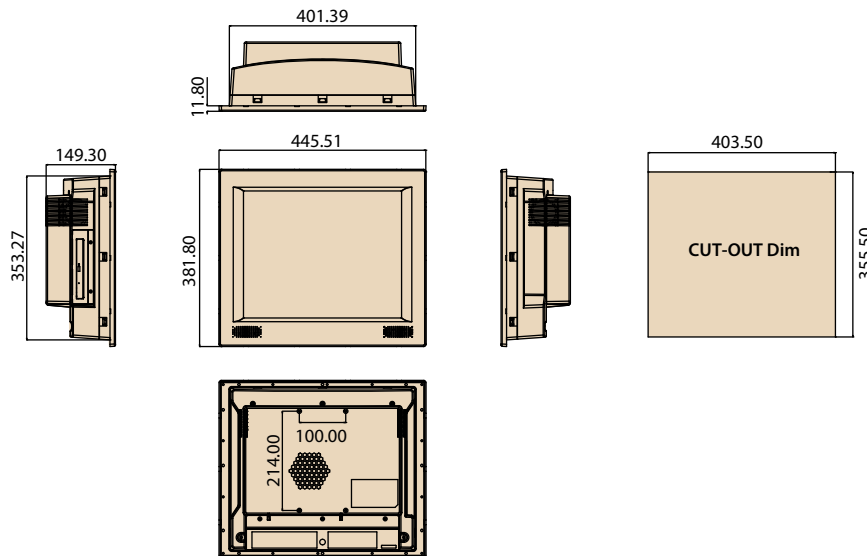
PPC-179T is a top performing and highly expandable panel PC. Equipped with a 17" Color TFT LCD, it features high performance, multimedia devices, connectors, and 2 expansion sockets (PCI and PCIe) for high expansion capacity. Because of its multifunctional design, the PPC-179T meets demands from multimedia applications and interactive kiosks that require big displays and powerful computing performance.

### Specifications

Processor System	CPU	Supports LGA775 Socket-based Intel Core 2 Duo Processor up to 3.0 GHz
	Dimensions (W x H x D)	446 x 382 x 149 mm (17.56" x 15.04" x 5.87")
	Weight	10 kg (22 lb)
	Front Panel Protection	IP65 compliant
	HDD	One internal SATA interface - 2.5" Type
	DVD+/-RW Drive	Equipped with one slim 8x SATA DVD +/- RW (BLACK)
	Memory	Supports 240-pin DDR3 1333/1066 DIMM x2 Up to 4 GB
	Network (LAN)	2 x 10/100/1000 Mbps (RJ-45)
I/O ports		- 4 x serial ports: 3 x RS-232, 1 x RS-232/422/485
		- 6 x USB2.0 ports
		- Mic-in, Line-in, Line-out
		- 1 x D-SUB VGA port
Bus Expansion	1 x PCI + 1 x PCI-E through riser, , 1 x Mini PCI-e socket	
Environmental Specifications	Operating Temperature	0 ~ 45° C (32 ~ 113° F)
	Relative Humidity	10 ~ 95% @ 40° C, non-condensing
	Shock	10 G peak acceleration (11 msec. duration)
	EMC	BSMI, VCCI, CE, FCC Class B, CCC
	Safety	CB, CE, UL
Touchscreen (Optional)	Types	Analog Resistive
	Resolution	2048 x 2048
	Light Transmission	75%
	Controller	USB interface
	Power Consumption	+5 V @ 200 mA
Software Driver	Supports both DOS and Windows	
LCD Display	Display Type	Color TFT LCD
	Size (Diagonal)	17"
	Max. Resolution	1280 x 1024
	Max. Colors or Grayscales	16.7M
	Pixel Pitch (mm)	0.264 x 0.264
	Luminance (cd/m <sup>2</sup> )	300
	Contrast Ratio	800:1
	Viewing Angle	80° (left), 80° (right), 80° (up), 80° (down)
	Operating Temperature	0 ~ 50° C
	VR Controls	Brightness
Simultaneous Mode	Yes	
LCD MTBF	50,000 hrs	
Power Supply	Output Rating	220W (max.)
	Input Voltage	100 ~ 240 VAC @ 50 ~ 60Hz
	Output Voltage	+3.3 V @ 14.0A, +5 V @ 16.0A, +12 V @ 16 A + 10 A, -12 V @ 0.8 A, +5 Vsb @ 2.5 A

## Dimensions

Unit: mm



## Ordering Information

Part No.	Description
PPC-179T-BAREE	Panel PC with 17" TFT LCD display (resolution: 1280 x 1024)
PPC-179T-BARE-TE	PPC-179T with resistive touchscreen
PPC-174 Stand	Stand kit for PPC series
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-174 RACK-MT	19" Rack Mounting kit for PPC-174 (9U)
1702002600	Power Cable UL/CSA (USA) 180D 125V10A 1.83M
1702002605	Power Cable 90D 220V EUROPEAN 250V/6A 1.8M

## Feature Details

### Protection

The PPC-179T is robust enough to withstand harsh environments on factory floors and in an external environment. The die-cast housing also acts as a heat sink to prevent the system from overheating.

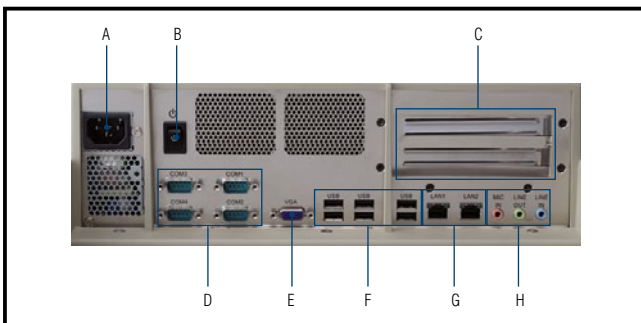
### Networking

Four serial ports and dual 10/100/1000 Mbps Ethernet port give the PPC-179T advanced networking capabilities and provide the best solution for versatile applications.

### Expansion

To extend its functionality, the PPC-179T is designed with two expansion slots for one PCI and one PCIe card, one Mini PCIe slot, six USB 2.0 (Universal Serial Bus) ports, four COM ports. With these expansion capabilities, the PPC-179T not only functions as an HMI, but also as a computing center around which to build your application.

## I/O Appearance



- |  |                                  |
|--|----------------------------------|
| A. AC inlet                              | E. VGA port                      |
| B. Power switch                          | F. USB2.0 x 6                    |
| C. PCI expansion x 1, PCIe expansion x 1 | G. 10/100/1000 Mbps Ethernet x 2 |
| D. RS232 x 3, RS232/422/485 x 1          | H. Line-in/Line-out/Mic-in       |