

# PPC-6170

17" Panel PC with Intel® Core™ i3 / i5 / Celeron® Processor

**NEW**



## Features

- Intel® Core™ i3, i5, Celeron 1020E + Intel QM77 PCH
- 1X DDR3/DDR3L SODIMM support to 8 GB
- Multiple expansion slots including one PCIe x4, one PCI + one PCIe x1, two PCI (optional) and two PCIe x1 (optional)
- Optional second HDD, supports Intel RAID
- One isolated RS-232/422/485 port; (selectable in by BIOS)
- One GPIO/RS-232 (8 channels, TTL level); (by swapping pin header)
- Dual GbE, supports Intel AMT8.0
- Supports iManager, SUSIAccess and Embedded Software APIs

## Introduction

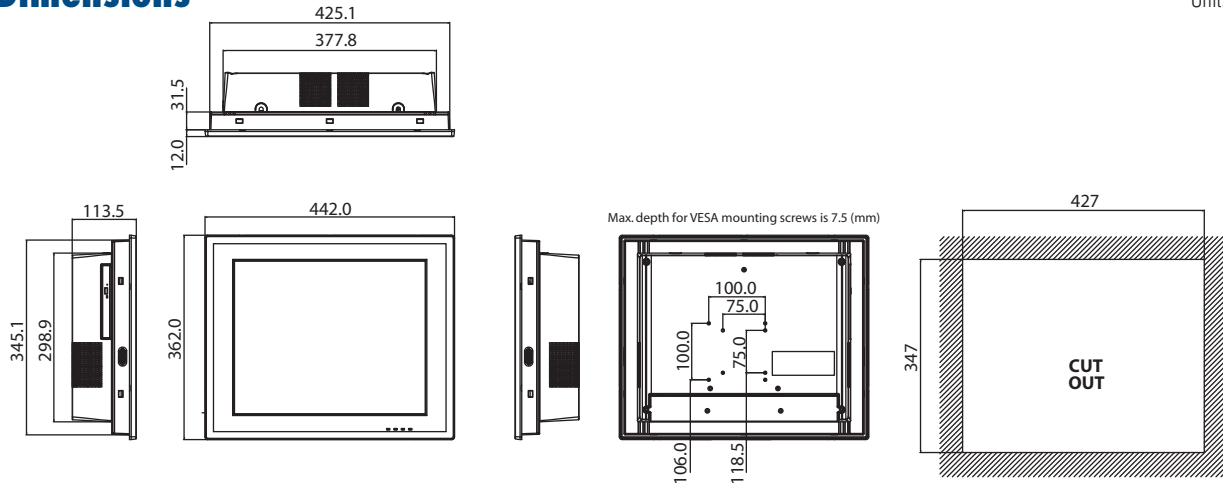
The PPC-6170 is a Panel PC with an Intel Core i3/i5 or Celeron processor, and a 17" color TFT LCD panel. It features extremely high computing power, modular design, excellent connectivity, and can support virtually any application. In addition, its user-friendly interface makes it a great host for information appliances. Two expansion slots, dual hard drives supporting Intel RAID, and one isolated RS-232/422/485 port make the PPC-6170 highly reliable, and provide a great solution for a wide range of applications.

## Specifications

<b>Processor System</b>	Processor	Intel	Core i5-3610ME	Core i3-3120ME	Celeron 1020E
	Frequency		2.7 GHz	2.4 GHz	2.2 GHz
	L3 Cache		4M	3M	2M
	Chipset		Intel QM77		
	Memory		1 x 204-pin SODIMM, DDR3 (1600 MHz) / DDRL (1333 MHz), supports up to 8 GB		
	Storage 1		1 x 2.5" SATA bay		
	Storage 2		Either one - Second 2.5" SATA bay (Intel RAID supported, optional) - Slim type 8X or above DVD +/- RW (optional)		
	Network (LAN)		2 x Gigabit Ethernet connectors, Intel AMT supported (GbE1- Intel 82579LM, GbE2 – Intel 82583V)		
	I/O ports		- 4 x COM ports, 1 x isolated RS-232/422/485, 3 x RS-232 - 1 x GPIO/RS-232 (8 channels, TTL level); by pin header - 3 x USB3.0 + 2 x USB2.0 ports		
	Expansion Slots		Either: - one PCI + one PCIe x1 (standard) - one x PCIe x 4 (in the accessory box)		
Additional Expansion		1 x Full-size mini PCIe (Supports mSATA) 1 x half-size mini PCIe			
Fan		Two 12V 60 x 60 x 13 (mm) with smart fan control, (70,000 hours continuous test @ 40° C)			
<b>Physical Characteristics</b>	Dimensions	442.0 x 362.0 x 113.5 (mm) (17.4" x 14.25" x 4.47")			
	Weight	7.5Kg (16.52lb)			
<b>OS Support</b>	OS Support	Win XPE / Win XP Pro / WES7 32 & 64 bit / Windows 7 32 & 64 bit			
	Output Rating	150 W (max.)			
<b>Power Supply</b>	Input Voltage	100 - 240V <sub>AC</sub> , 50/60Hz, 4-2A			
	Power Consumption	With Core i5-3610ME is 65W With Core i3-3120ME is 55W With Celeron 847E is 53W (Burn-in test 7.0 in Windows 7 32-bit)			
	Display Type	17" TFT LCD (LED Backlight)			
<b>LCD Display</b>	Max. Resolution	1280 x 1024			
	Colors	262K			
	Dot Size (mm)	0.264 x 0.264			
	Viewing Angle	85 (left), 85 (right), 80 (up), 80 (down)			
	Luminance(cd/m2)	350			
	Contrast Ratio	1,000			
	Backlight Lifetime	50,000 hrs (typical)			

**Dimensions**

Unit: mm



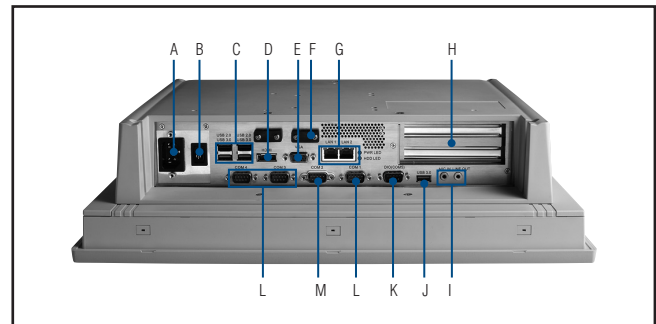
**Specifications (Cont.)**

<b>Touchscreen</b>	Touch Type	Analog Resistive 5-wire
	Resolution	2048 x 2048
	Light Transmission	81+/-3%
	Controller	RS-232 interface (COM5), USB interface is available as an option
	Software Driver Support	Windows 7, XP
<b>Environment</b>	Durability (Touches)	36 million
	Operating Temperature	0 ~ 50°C (32 ~ 122°F)
	Storage Temperature	-20 ~ 60°C (-4 ~ 140°F)
	Relative Humidity	10 ~ 95% @ 40°C (non-condensing)
	Shock	Operating 10 G peak acceleration (11 ms duration), follows IEC 60068-2-27
	Vibration	Operating Random Vibration Test 5-500Hz, 1Grms, follows IEC 60068-2-64
	EMC	BSMI, CE, FCC Class A
	Safety	CB, CCC, BSMI, UL
Front Panel Protection	IP65 compliant	

**Ordering Information**

Part No.	Description
PPC-6170-Ri5AE	Intel Core i5-3610ME (2.7G) Panel PC with 17" XGA LED backlight and 5-wire resistive T/S, w/o memory
PPC-6170-Ri3AE	Intel Core i3-3120ME (2.4G) Panel PC with 17" XGA LED backlight and 5-wire resistive T/S, w/o memory
PPC-6170-RC10AE	Intel Celeron 1020E (2.2G) Panel PC with 17" XGA LED backlight and 5-wire resistive T/S, w/o memory
PPC-6150-WLANE	WiFi Module with Intel 6205 supports 802.11 abgn, 2T2R
PPC-6150-PCIE	Riser card supports two PCI slots for PPC-6150/PPC-6170
PPC-6150-PCIEE	Riser card supports two PCIe x1 slots for PPC-6150/PPC-6170
PPC-6150-HDDE	Kit to install the second 2.5" SATA HDD for PPC-6150/PPC-6170, w/o HDD
PPC-6150-DVDE	Module with 8X SATA DVD-RW for PPC-6150/PPC-6170
PPC-174T-WL-MTE	Wall mount kit for PPC series
PPC-175 RACK-MT	19" Rack Mounting kit for PPC-175
PPC-ARM-A03	PPC ARM VESA Standard
PPC-155T STAND	Stand kit for PPC-6150/PPC-6170
1702002605	Power cord 90D 220V EUROPEAN 250V/6A, 1.8M
1702002600	Power cord UL/CSA(USA) 180D 125V/10A 1.83M
2070011780	WES7 E 32-bit (ENG/JPN/Simplified Chinese/Traditional Chinese), 4 languages with SUSI Access
2070011779	WES7 E64-bit (ENG/JPN/Simplified Chinese/Traditional Chinese), 4 languages with SUSI Access
2070012161	WES7 P 32-bit (ENG/JPN/Simplified Chinese/Traditional Chinese), 4 languages with SUSI Access
2070012186	WES7 P 64-bit (ENG/JPN/Simplified Chinese/Traditional Chinese), 4 languages with SUSI Access

**I/O Placement**



- A: AC Inlet
- B: Power Switch
- C: USB 3.0 x 2, USB 2.0 x 2
- D: HDMI
- E: VGA
- F: Cable clip x 2
- G: Gigabit Ethernet x 2
- H: 2 Expansion slots
- I: Line out / Mic in
- J: USB 3.0 x 1
- K: GPIO / RS-232 (by swapping pin header)
- L: RS232 x 3
- M: Isolated RS-232/422/485 (selecting by BIOS)