

PPC-6170

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

NEW



Features

- Intel® Core™ i3, i5 + 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

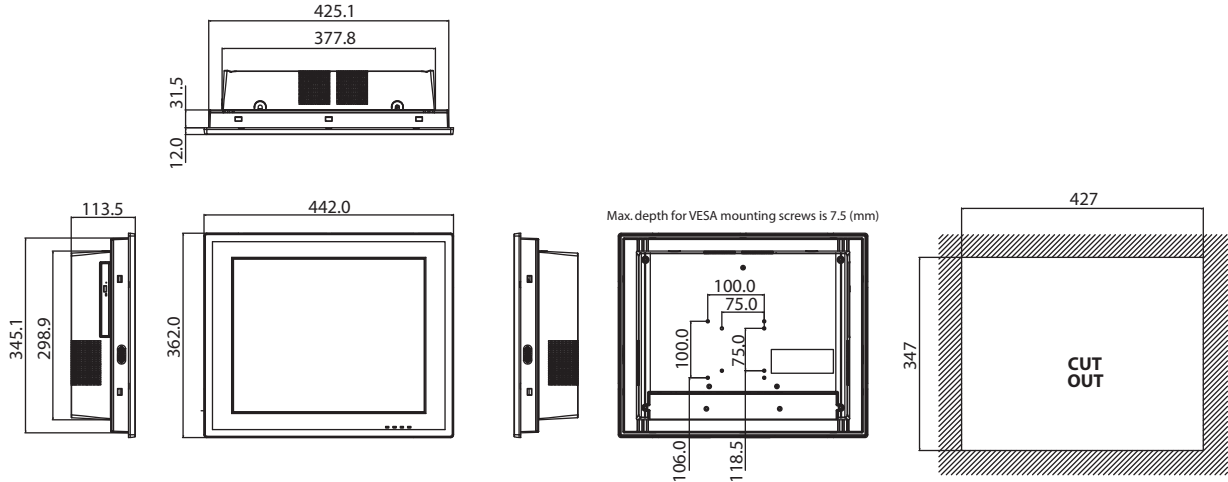
The PPC-6170 is a Panel PC with an Intel Core i3/i5 processor, and a 17" color TFT LCD panel. It features extremely high computing power, modular design, excellent connectivity, and can support virtually any application. In addition, its user-friendly interface makes it a great host for information appliances. 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

Processor System	Intel	Core i5-3610ME	Core i3-3120ME
	Frequency	2.7 GHz	2.4 GHz
	L3 Cache	3M	3M
	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 <ul style="list-style-type: none"> Second 2.5" SATA bay (Intel RAID supported, optional) Slim type 8X or above DVD +/- RW (optional) 	
	Network (LAN)	2 x Gigabit Gigabit Ethernet connectors, Intel AMT supported (GbE1- Intel 82579LM, GbE2 – Intel 82583V)	
	I/O ports	<ul style="list-style-type: none"> 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 USB 3.0 + 2 x USB 2.0 ports 	
	Expansion Slots	Either: <ul style="list-style-type: none"> One PCI + one PCIe x1 (standard) One x PCIe x4 (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)		
Physical Characteristics	Dimensions	442.0 x 362.0 x 113.5 (mm) (17.4" x 14.25" x 4.47")	
	Weight	7.5Kg (16.52lb)	
OS Support	OS Support	Win XPE / Win XP Pro / WES7 32 & 64 bit / Windows 7 32 & 64 bit	
	Output Rating	150 W (max.)	
Power Supply	Input Voltage	100 - 240V _{AC} , 50/60Hz, 4-2A	
	Power Consumption	With Core i5-3610ME is 65W With Core i3-3120ME is 55W (Burn-in test 7.0 in Windows 7 32-bit)	
	Display Type	17" TFT LCD (LED Backlight)	
LCD Display	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/m ²)	350	
	Contrast Ratio	1,000	
	Backlight Lifetime	50, 000 hrs (typical)	

Dimensions

Unit: mm

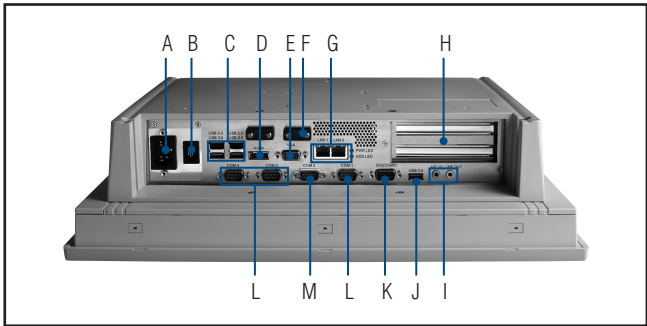


Touchscreen	Touch Type	Analog Resistive 5-wire
	Resolution	2048 x 2048
	Light Transmission	81+/-3%
	Controller	RS-232 interface (COM5), USB interface is available as an option
	Software Driver Support	Windows 7, XP
Environment	Durability (Touches)	36 million
	Operating Temperature	0 ~ 50°C (32 ~ 122°F)
	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-WLAN-A1E	WiFi Module with Antenna Cable 28cm for PPC
989K091800E	Two PCI x1 slots for PPC-6150/6170
989K091700E	Two PCIe x1 slots for PPC-6150/6170
98R3615000E	A second 2.5"SATA HDD for PPC-6150
PPC-6150-DVDE	Module with 8X SATA DVD-RW for PPC-6150/PPC-6170
PPC-174T-WL-MTE	Wall mount kit for PPC series
98R3175R00E	19" Rack Mounting kits for PPC
PPC-ARM-A03	PPC ARM VESA Standard
PPC-174 Stand	Stand for PPC Series (double acting hinges)
1702002605	Power cord 90D 220V EUROPEAN 250V/6A, 1.8M
1702002600	Power cord UL/CSA(USA) 180D 125V/10A 1.83M
1700019336	Cable for an external 25-pin LPT port
2070013299	WES7P PPC-6150/70 32-bits V5.1.6 10multi-languages with SUSI Access
2070013328	WES7P PPC-6150/70 64-bits V5.6.6 10multi-languages with SUSI Access
98R3415010E	98 Level For 9663415010E Front USB Cable 100cm
98R3612000E	Msata/CFast to USB card reader

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)