

PPC-6170

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



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

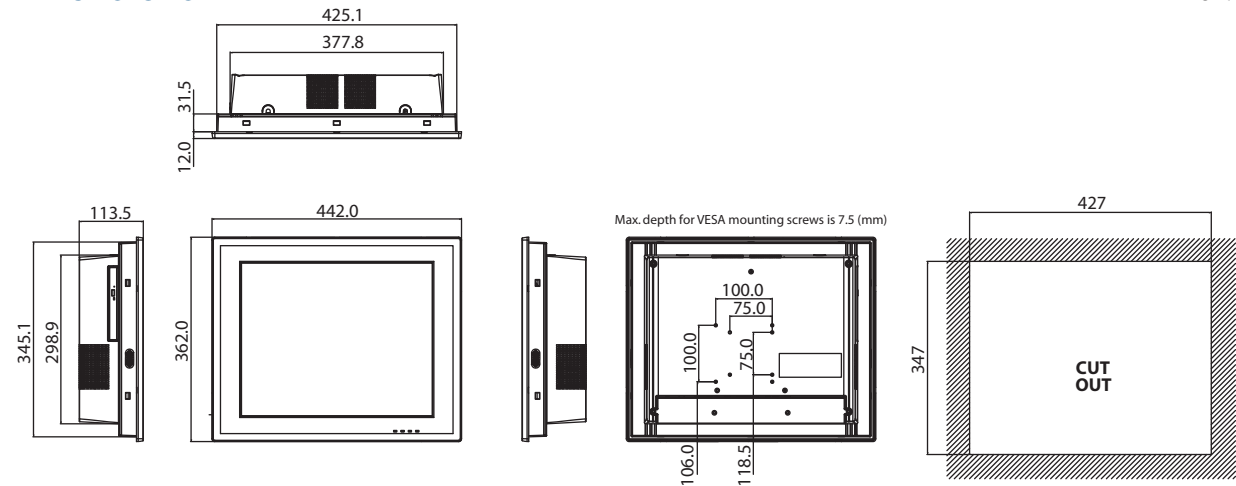
The PPC-6170 is a Panel PC with an Intel Core i3/i5 or Celeron processor, and a 17" color TFT LCD panel. It features extremely high computing power, modular design, excellent connectivity, and can support virtually any application. In addition, its user-friendly interface makes it a great host for information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

Processor System	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) / DDR3L (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 x4 (in the accessory box)		
Physical Characteristics	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)		
	Dimensions	442.0 x 362.0 x 113.5 (mm) (17.4" x 14.25" x 4.47")		
OS Support	Weight	7.5Kg (16.52lb)		
	OS Support	Win XPE / Win XP Pro / WES7 32 & 64 bit / Windows 7 32 & 64 bit		
Power Supply	Output Rating	150 W (max.)		
	Input Voltage	100 - 240V _{AC} , 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)		
LCD Display	Display Type	17" TFT LCD (LED Backlight)		
	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		
LCD Display	Backlight Lifetime	50, 000 hrs (typical)		

Dimensions

Unit: mm

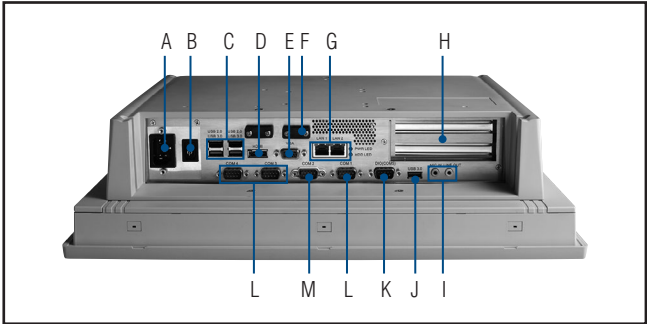


Touchscreen	Touch Type	Analog Resistive 5-wire
	Resolution	2048 x 2048
	Light Transmission	81+/-3%
	Controller	RS-232 interface (COM5), USB interface is available as an option
	Software Driver Support	Windows 7, XP
	Durability (Touches)	36 million
Environment	Operating Temperature	0 ~ 50°C (32 ~ 122°F)
	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-WLAN-A1E	WiFi Module with Antenna Cable 28cm for PPC
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-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

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)