

PPC-6170A

PPC-6150A

17"/ 15" Panel PC with Intel® Core™ i3 / i5 / Celeron® Processor and 4 additional GbE ports

NEW



Features

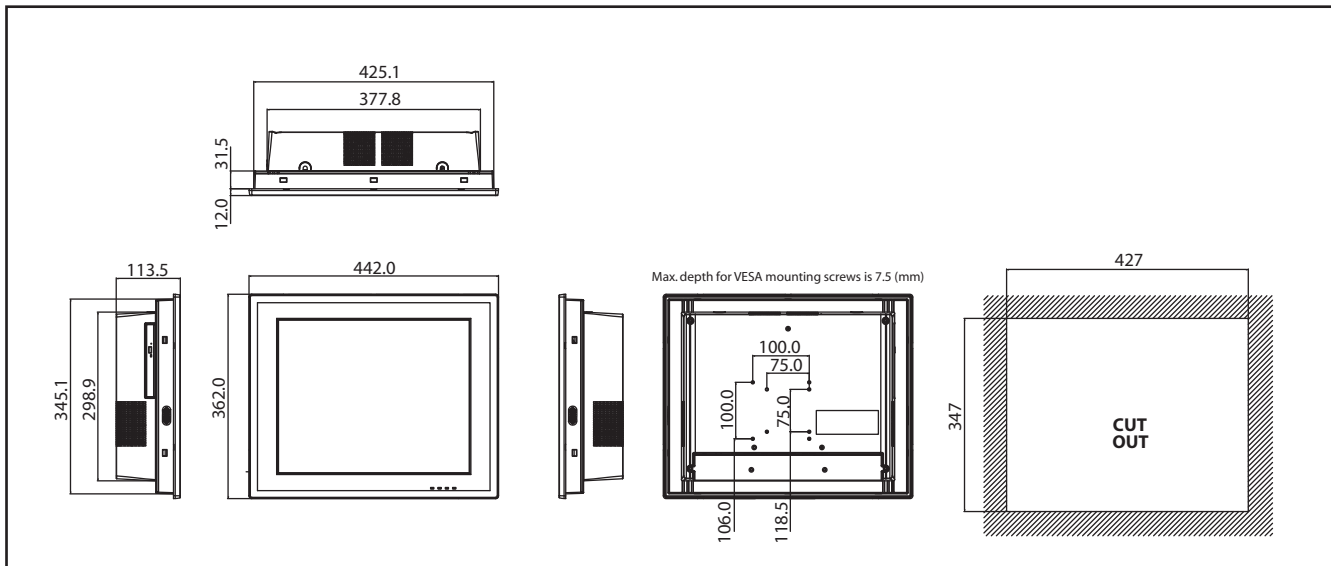
- Intel® Core™ i5 and i7 + Intel QM77 PCH
- 1X DDR3/DDR3L SODIMM support to 8 GB
- Multiple expansion slots including one PCI + one PCIe x1, two PCI (optional) and two PCIe x1 (optional)
- Optional second HDD, supports Intel RAID
- One isolated RS-232/422/485 port; (selected in the BIOS)
- One GPIO/RS-232 (8 channels, TTL level); (by swapping pin header)
- Dual GbE, supports Intel AMT8.0, four additional GbE (Intel i350) for Machine Vision
- Supports iManager, SUSIAccess and Embedded Software APIs

Introduction

The PPC-6170 is a Panel PC with an Intel Core i5/i7 processor, and a 17" color TFT LCD panel. It features extremely high computing power, modular design, excellent connectivity, and four additional GbE ports, which is ideal design for machine vision markets. 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 (Duo core)	Core i7-3612QE (Quad core)
	Frequency	2.7 GHz	2.1 GHz
	L3 Cache	4M	6M
	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)	
	Network1 (LAN1, LAN2)	2 x Gigabit Ethernet connectors, Intel AMT supported (GbE1- Intel 82579LM, GbE2 – Intel 82583V)	
	Network2 (LAN3, LAN4, LAN5, LAN6)	4 x Gigabit Ethernet connectors, Intel i350	
	I/O ports	- 2 x COM ports, 1 x isolated RS-232/422/485, 1 x RS232 - 1 x GPIO/RS-232 (8 channels, TTL level); by pin header - 3 x USB3.0 + 2 x USB2.0 ports	- (2+4) x Gigabit Ethernet - 1 x D-SUB VGA port - 1 x HDMI - 1 x Line-out, 1 x Mic-in, 2 x 1W speaker
Expansion Slots	Either: - one PCI + one PCIe x1 (standard)	- two PCIe x1 (optional) - two PCI (optional)	
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	
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 (Burn-in test 7.0 in Windows 7 32-bit)	
LCD Display	Model	PPC-6170A	PPC-6150A
	Display Type	17" TFT LCD (LED Backlight)	
	Max. Resolution	1280 x 1024	1024 x 768
	Colors	262K	
	Dot Size (mm)	0.264 x 0.264	0.297 x 0.297
	Viewing Angle	85 (left), 85 (right), 80 (up), 80 (down)	80 (left), 80 (right), 70 (up), 70 (down)
	Luminance(cd/m2)	350	
	Contrast Ratio	1,000	
	Backlight Lifetime	50,000 hrs (typical)	



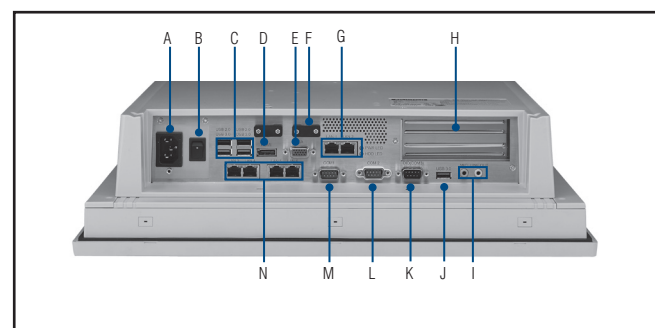
Specifications (Cont.)

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-6170A-Ri5AE	Intel Core i5-3610ME (2.7G) Panel PC with 17" XGA LED backlight , 5-wire resistive T/S and 4 additional GbE ports, w/o memory
PPC-6150-WLANE	WiFi Module with Intel G205 support 802.11 abgn, 2T2R
PPC-6150-PCIE	Riser card support two PCI slots for PPC-6150/PPC-6170
PPC-6150-PCIEE	Riser card support 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-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
PPC-6150A-Ri5AE	Intel Core i5-3610ME (2.7G) Panel PC with 15" XGA LED backlight , 5-wire resistive T/S and 4 additional GbE ports, w/o memory

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: Isolated RS-232/422/485 (selected in the BIOS)
- M: RS-232 x 1
- N: Gigabit Ethernet x 4 (Intel i350)