PPC-6170

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

Features

ƒ Intel® Core™ i3, i5 + Intel QM77 PCH

ƒ 1X DDR3/DDR3L SODIMM support to 8 GB

ƒ Multiple expansion slots including one PCIe x4, one PCI + one PCIe x1, two PCI (optional) and two PCIe x1 (optional)

ƒ Optional second HDD, supports Intel RAID

ƒ One isolated RS-232/422/485 port; (selectable in by BIOS)

ƒ One GPIO/RS-232 (8 channels, TTL level); (by swapping pin header)

ƒ Dual GbE, supports Intel AMT8.0

ƒ Supports iManager, SUSIAccess and Embedded Software APIs

SUSIAccess Windows Embedded VCI CCC EHC C CE FCC R33138 RoHS UL
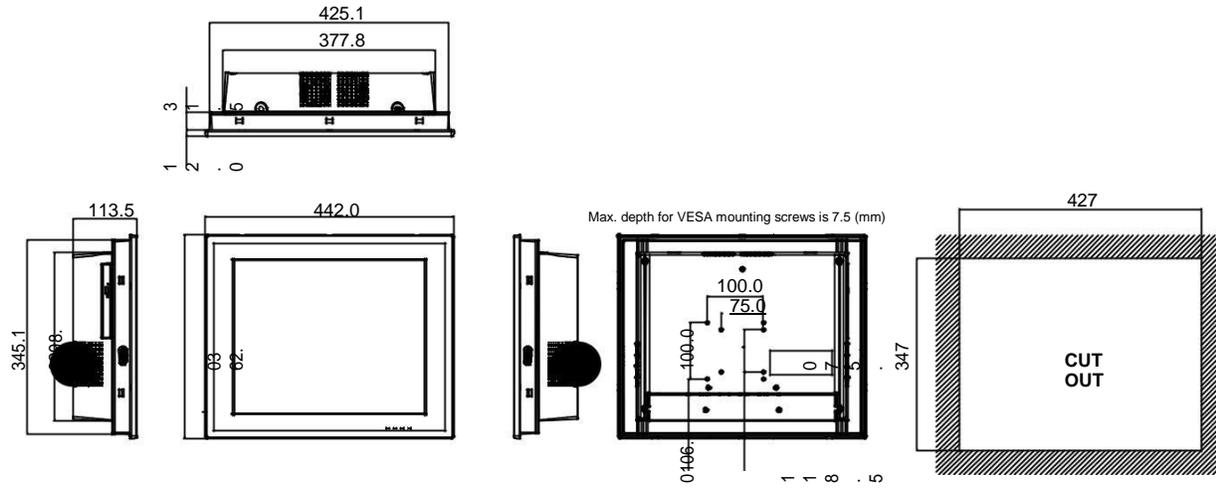
Introduction

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	CPU	Intel® Core i5-3610ME	Intel® Core i3-3120ME
	Cores	Dual Core	Dual Core
	Frequency	2.7 GHz	2.4 GHz
	L3 Cache	3 MB	3 MB
	Chipset	QM77	
	Memory	1 x SO-DIMM, DDR3 1600/DDR3L 1333, Max 8 GB	
	Storage	1 x 2.5" SATA Bay Either one: Second 2.5" SATA bay (Intel RAID supported, optional) Slim type 8X or above DVD +/- RW (optional)	
	Network (LAN)	2 x 10/100/1000 Mbps Ethernet (GbE1- Intel 82579LM, GbE2 – Intel 82583V),Intel AMT supported	
	I/O ports	4 x Serial 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 1 x VGA 1 x HDMI 1 x Line-out, 1 x Mic-in	
	Expansion	1 x PCI + 1x PCIe x1 (default) 1 x PCIe x4 (in the accessory box) 2 x PCIe x1 (optional) 2 x PCI (optional) 1 x Full-size Mini PCIe (Supports mSATA) 1 x half-size Mini PCIe	
	Speaker	2 x 1W	
	Fan	2 x 12V 60x60x13mm with smart fan control (70,000 hours continuous test @ 40° C)	
Physical Characteristics	Dimensions	442.0 x 362.0 x 113.5mm (17.4" x 14.25" x 4.47")	
	Weight	7.5Kg (16.52lb)	
OS Support	OS Support	Microsoft® Windows XPE/WES7 32bit&64bit/Windows XP Pro/Windows 7 32bit&64bit/ Windows 8.1 32bit&64bit/ Linux	
Power Consumption	Output Rating	150 W (max.)	
	Input Voltage	100 - 240 Vac, 50/60Hz, 4-2A	
	Power Consumption	65W with Core i5-3610ME 55W with Core i3-3120ME (Burn-in test 7.0 in Windows 7 32 bit)	
LCD Display	Display Type	17" TFT LED Panel	
	Max. Resolution	1280 x 1024	
	Viewing Angle	80 (left), 80 (right),60 (up), 80 (down)	
	Luminance (cd/m$_2$)	350	
	Contrast Ratio	1,000	
	Backlight Lifetime	50,000 hrs (Min.)	

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All product specifications are subject to change without notice. Last updated :16-Jun-2017

Dimensions

Unit: mm

425.1
377.8

113.5
442.0

Max. depth for VESA mounting screws is 7.5 (mm)

100.0
75.0
100.0

345.1

427
347

CUT OUT

Cut-Out dimension: 427 x 347mm

	Touch Type	Analog Resistive 5-wire
Touchscreen	Light Transmission	81+/-3%
	Controller	RS-232
	Durability (Touches)	36 million
Environment	Operating Temperature	0 ~ 50°C (32 ~ 122°F)
	Storage Temperature	-40 ~ 60°C (-40 ~ 140°F)
	Relative Humidity	10 ~ 95% @ 40°C (non-condensing)
	Shock	Operating 10 G peak acceleration (11 ms duration), follow IEC 60068-2-27
	Vibration	Operating Random Vibration Test 5 ~ 500Hz, 1Grms @with HDD, follow IEC 60068-2-64
	EMC	CE, FCC Class A, BSMI
	Safety	CB, UL,CCC, BSMI
	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-B1E	WiFi Module with Antenna Cable 40cm for PPC
989K091800E	Two PCI x1 slots for PPC-6150/6170
989K091700E	Two PCIe x1 slots for PPC-6150/6170
98R3615000E	Second 2.5" SATA HDD/SSD Module for PPC-6150/6170
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-Stand-A1E	Stand for PPC series
1702002605	Power cord 90D 220V EUROPEAN 250V/6A, 1.8M
1702002600	Power cord UL/CSA (USA) 180D 125V/10A 1.83M
96CB-POWER-B-1.8M1	POWER CORD for China 1.8M
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
2070012935	WES2009 PPC-6150/6170 x32 V4.0 Eng/Cht
98R3415010E	98 Level For 9663415010E Front USB Cable 100cm
98R3612000E	mSATA/CFast to USB card reader

I/O Placement
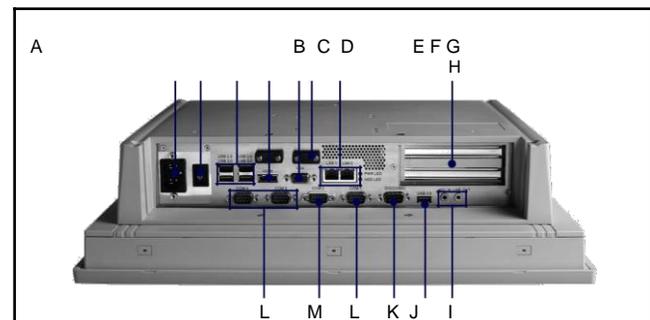
A: AC Inlet
B: Power Switch
C: USB 3.0 x 2, USB 2.0 x 2
D: HDMI
E: VGA
F: Cable clip x 2
G: Gigabit Ethernet x 2

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)