IPPC-7157A

15" XGA TFT LCD Pentium® 4/ Celeron® D Industrial Panel PC with 7 x PCI/PCIe Slots and Membrane Keypad

NEW

Features

- Pentium 4 up to 3.8 GHz/Celeron® D up to 3.06 GHz
- 15" XGA TFT LCD with touchscreen (optional) provides vivid, sharp images
- Offers 7 expansion slots for PCI and PCIe interface
- Detachable side-open front panel makes maintenance fast & easy
- Programmable membrane function keys for varied application access
- Heavy-duty design with anti-rust chassis with aluminum front panel (NEMA4/IP65)
- One front accessible USB 2.0 port

Introduction

The IPPC-7157 is a brand new ID designed Industrial Panel PC with 15" XGA TFT LCD. It supports ATX industrial mother board with 7 PCI/PCIe expansion slots. IPPC-7157 provides many powerful features such as detachable side-open front panel module, a front-access USB2.0 port, programmable membrane function keys & touch pad, OSD Control, NEMA4/IP65 compliant aluminum front panel, optional analog resistive touchscreen (USB Interface).

Specifications

General

Button Control	Membrane Keypad 1 - 43 operating keys
	Membrane Keypad 2 - 10 programmable macro function keys
BIOS	Award™ 8 Mbit FWH
Certifications	BSMI, CCC, CE, FCC
Cooling System	1 x 49 CFM fan w/50,000 hrs MTBF
Dimensions (W x H x D)	482 x 354.8 x 276.5 mm (18.97" x 13.96" x 10.9")
Disk Drive Bay	Supports one FDD, two 3.5" HDD & one CD-ROM (HDD optional)
Enclosure	Front Panel – Aluminum, Chassis – anti-rust
Mounting	19" Rack
Power Input	100-240 Vac, 10A , 60-50 Hz
Power Ouput	+ 5 V @ 30 A, +12 V @ 15 A, +3.3 V @ 28 A, -5 V @ 0.3 A, -12 V @ 0.8 A, +5 VSB @ 2 A
Power Supply	Watt: 300 W, MTBF: 100,000 hrs
Weight (Gross)	18 kg (39.7 lb)

System Hardware

Audio Ports	1 x Mic-in, 1 x Line-out
Chipset	Intel 945G + ICH7R
CPU	Socket 775, Intel Pentium 4 up to 3.8 GHz, Intel Celeron D up to 3.06 GHz
Expansion Slots	1 x PCIe x16 4.0 GB/s per direction, 1 x PCIe x4 1.0 GB/s per direction, 5 x PCI 32-bit/33 MHz
Keyboard/Mouse	2 x PS/2 for mouse & keyboard interface
LAN	2 x 10/100/1000Base-T
Memory	Four 240-pin Dual channel DDR2 DIMM sockets supports up to 4 GB (Clock 266)

Parallel Port	1 x enhanced parallel port, supports SPP/EPP/ECP parallel mode. BIOS configurable to LPT1, LPT2, LPT3 or disabled
Serial Port	1 x RS-232/422/485 on pin header, 1 x RS-232 on rear I/O
USB Port	1 x USB 2.0 on front panel, 4 x USB 2.0 on rear I/O

LCD Display

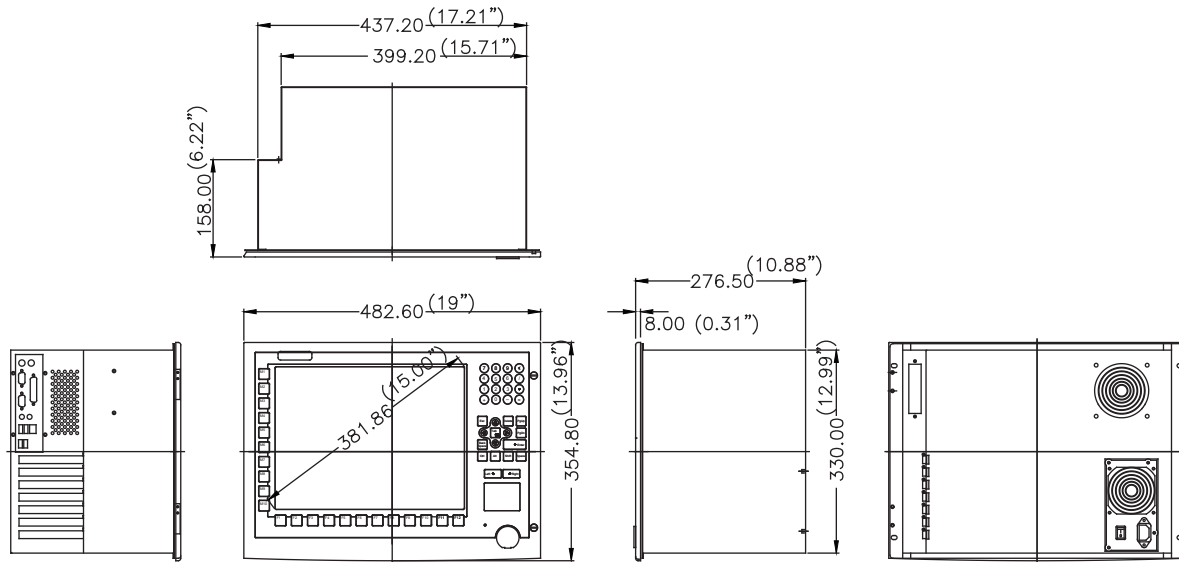|	
Backlight Life	50,000 hrs
Contrast Ratio	500 : 1
Display Size	15"
Display Type	XGA TFT LCD
Luminance	250 cd/m²
Max. Colors	16.2 M (RGB 6-bit + FRC data)
Max. Resolution	1024 x 768
OSD Control	ON/OFF, Brightness down, up (behind the front panel)
Viewing Angle (H/V°)	140/120

Touchscreen (Optional)

Interface	USB
Lifespan	10 million with a silicone rubber of R8 finger, writing rate is by 250g at 2 times/s
Light Transmission	> 80% (AMT)
OS Support	Windows® 95/98/ME/2000/XP/CE/NT/Vista, Linux
Type	8-wire Resistive

Environment

Humidity	5 ~ 85% RH @ 40° C (non-condensing)
Ingress Protection	Front panel NEMA4/IP65
Operating Temperature	0 ~ 50° C (32 ~ 122° F)
Storage Temperature	-20 ~ 60° C (-4 ~ 140° F)
Vibration Protection	5 ~ 500 Hz, 1 G_{RMS} random vibration (operating)

ADVANTECH | Industrial Panel PC's

Dimensions

Unit: mm

437.20 (17.21")
399.20 (15.71")
158.00 (6.22")
482.60 (19")
381.86 (15.00")
354.80 (13.96")
276.50 (10.88")
8.00 (0.31")
330.00 (12.99")

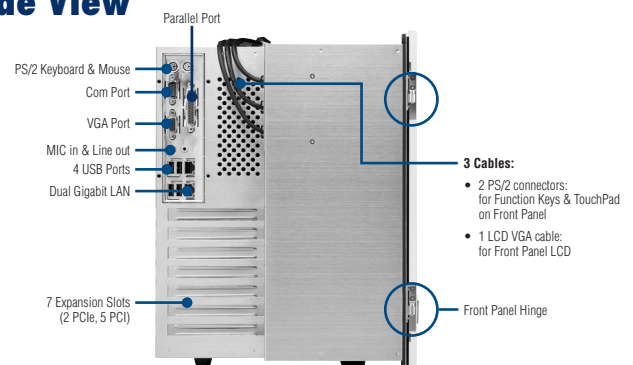CUT OUT Dimensions 439.20(17.29")x332.00(13.07")

Ordering Information

- **IPPC-7157A-X1AE** 15" Industrial Panel PC with 7 x PCI/PCIe slots
- **IPPC-7157A-R1AE** 15" Industrial Panel PC with 7 x PCI/PCIe slots and resistive touchscreen
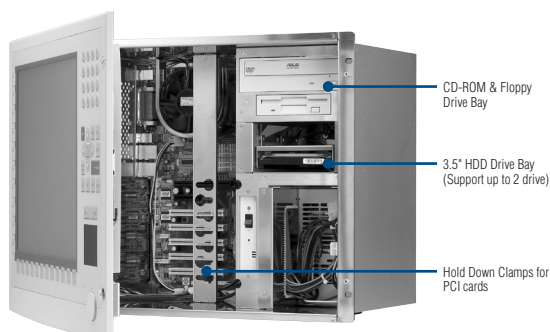
Accessories

- **1702002600** Power Cable US Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1702031801** Power Cable UK Plug 1.8 M
- **1702031836** Power Cable China/Australia Plug 1.8 M

Side View

Parallel Port
PS/2 Keyboard & Mouse
Com Port
VGA Port
MIC in & Line out
4 USB Ports
Dual Gigabit LAN

3 Cables:
- 2 PS/2 connectors: for Function Keys & TouchPad on Front Panel
- 1 LCD VGA cable: for Front Panel LCD

7 Expansion Slots (2 PCIe, 5 PCI)
Front Panel Hinge

Open View

CD-ROM & Floppy Drive Bay
3.5" HDD Drive Bay (Support up to 2 drive)
Hold Down Clamps for PCI cards

Rear View

System Fan
Power Fan