IPPC-7158B

15" XGA TFT LCD Passive Backplane Industrial Panel PC with 14 Expansion Slots and Keypad

NEW

Features

- 15" XGA TFT LCD with touchscreen (optional) provides vivid, sharp images
- Offers 14 expansion slots for PCI, PICMG and ISA
- 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 which meet NEMA4/IP65
- One front accessible USB 2.0 port
- Flexible modular chassis design with upgradable industrial motherboard

Introduction

The IPPC-7158 is a brand new Industrial Panel PC with 15" XGA TFT LCD. It supports passive backplane boards with ISA/PCI/PICMG expansion slots. IPPC-7158 provides many powerful features such as a detachable side-open front panel, a front-accessible USB 2.0 port, programmable membrane function keys & touch pad, OSD Control, NEMA4/IP65 compliant aluminum front panel, and optional analog resistive touchscreen (USB Interface).

Specifications

General

Button Control	Membrane Keypad 1 43 operating keys Membrane Keypad 2 10 programmable macro function keys
Certifications	BSMI, CCC, CE, FCC
Dimensions (W x H x D)	482 x 354.8 x 276.5 mm (18.97" x 13.96" x 10.9")
Enclosure	Front Panel – Die-cast Chassis – anti-rust
Mounting	19" Rack
Power Input	100-240 V_{AC}, 10 A, 60-50 Hz
Power Supply	300 W
Weight	18Kg (39.7 lbs)

System Hardware

Slots	2 ISA, 10 PCI, 2 PICMG
Size	315 x 260 mm (12.4" x 10.24")
PCI Bridge	Pericom PI7C8150MA
PCI Slot	Primary: 3 slots, Secondary: 7 slots
Storage (Optional)	1 x 3.5" HDD 1 x 5.25" CD-ROM

LCD Display

Backlight Life	50,000 hrs
Contrast Ratio	500 : 1
Display Size	15"
Display Type	XGA TFT LCD
Luminance	250 cd/m^2
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)

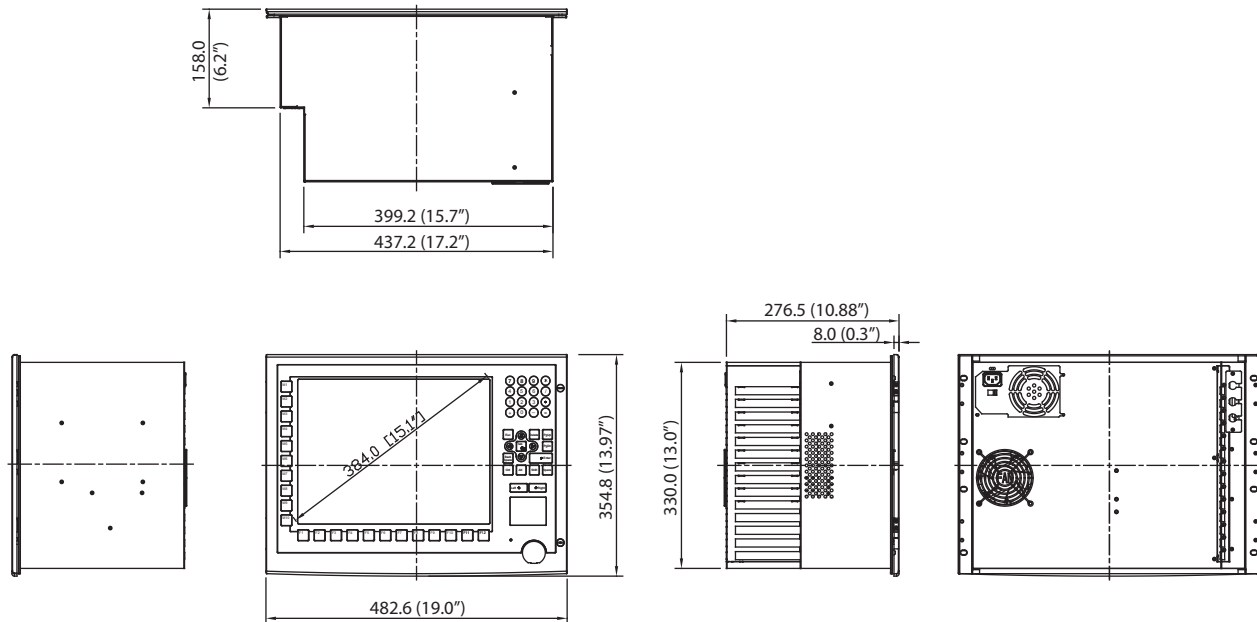|	
Lifespan	10 million with a silicone rubber of R8 finger, writing rate is by 250g at 2 times/s
Light Transmission	> 80% (AMT)
Type	8-wire Resistive

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 GRMS random vibration (operating)

Ordering Information

IPPC-7158B-X1AE	15" Ind. Panel PC, Backplane, 14 x Slot, Keypad
IPPC-7158B-R1AE	15" Ind. Panel PC, Backplane, 14 x Slot, Keypad, TS

Dimensions

Unit: mm

158.0 (6.2")

399.2 (15.7")
437.2 (17.2")

276.5 (10.88")
8.0 (0.3")

330.0 (13.0")

384.0 (15.1")

354.8 (13.97")

482.6 (19.0")

Panel Cut-out Dimensions: 439.30 (17.29") x 332.00 (13.07) mm

CPU Card Suggestions

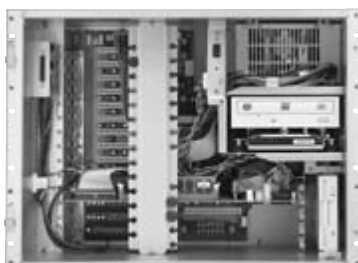| Part No	CPU Grade	Description
PCA-6194G2-00A1E	Intel Core 2 Duo (1066/800/533 MHz FSB)	LGA775 Core 2 Duo/Pentium D/ Pentium 4/Celeron D Processor Card with IPMI/VGA/Dual GbE LAN (FSB 1066/800 MHz)
PCA-6190VG-00A2E	Intel Pentium 4 (533/800 MHz FSB)	LGA775 Pentium 4/Celeron Processor Card with VGA/LAN/
PCA-6187VG-00A2E	Intel Pentium 4 (400/533/800 MHz FSB)	Socket 478 Pentium 4/Celeron D/ Celeron Processor card with VGA/ LAN
PCA-6003H-00A2E	Intel Pentium III (133 MHz FSB)	Socket 370 Pentium/Celeron processor card with VGA/LAN

Open View

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

Rear View