IPPC-4001D
IPPC-4008D

5.7" VGA TFT LCD 4U 19"/19" Half-sized Rack Industrial Panel PC with 14/8 Expansion Slots & Keyboard Drawer

Features

- 4U height 19" rackmount/19" half-sized chassis with 5.7" VGA TFT display
- Slim keyboard & mouse pad drawer with lockable clip
- Supports high performance Intel Core 2 Duo processors (and up)
- Offers 14/8 expansion slots for 2 PCIMG,10 PCI, 2 ISA/8 PCI
- Lockable front door prevents unauthorized access
- Membrane function keys (F1~F5) for varied application access
- Handy screen function for Industrial Automation Controller and Monitoring
- Front accessible USB is friendly to plug-in versatile USB devices
- All-in-one IPC system for saving cost/space from IPC with LCD/keyboard
- Telecom/Power Station portal and platform for test & measurement equipment
- Suitable for Automatic Testing Equipment and Production Line Testers

FCC (IPPC-4008D)   R33138   CCC   CE   FCC   c UL us LISTED E180881 I.T.E.

Introduction

IPPC-4000 series is a 4U 19" rackmount/19" half-sized rackmount Industrial Panel PC with 5.7" VGA TFT LCD display, passive backplane and ISA/PCI/PICMG or 8 PCI expansion slots. Designed to be an all-in-one and cost-effective solution for traditional IPC users, IPPC-4000D series includes a slim type 85 key keyboard and touch pad drawer making input troublefree, and a 5.7"TFT LCD screen is perfect for information displays like: charts, trends, a control panel, simple programming, production data or field monitoring records. A wide range of standard computing peripherals from the Advantech IPC family can be integrated into the unit to meet different application development requirements in mission-critical environments.

Specifications

General
- **Button Control** — Membrane Key 5 Function Keys (F1 to F5), 5 Cursor Keys (Up, Down, Left, Right, Enter)
- **Certification** — BSMI, CCC, CE, FCC Class A, UL
- **Dimensions (W x H x D)** — IPPC-4001D: 482 x 174.9 x 486.7 mm (18.97" x 6.88" x19.16") IPPC-4008D: 482 x 174 x 360 mm (19" x 7" x 14.2")
- **Keyboard Drawer** — Integrated 88-Key (US) slim type keyboard w/touch pad
- **Mounting** — 19" Rack
- **Power Input** — 100 ~ 240 V$_{AC}$ @ 50~ 60 Hz full range 10A
- **Power Supply** — Watt: 300 W, MTBF: 100,000 hrs
- **Weight** — IPPC-4001D: 19.99 kg (44 lbs); IPPC-4008D: 18 kg (39.6 lbs)

System Hardware
- **Passive Backplane** — IPPC-4001D: PCA-6114P10; IPPC-4008D: PCA-6108P8
- **Slots** — IPPC-4001D: 2 PICMG, 10 PCI, 2 ISA; IPPC-4008D: 8 PCI
- **Backplane Size** — IPPC-4001D: 315 x 260 mm (12.4" x 10.24") IPPC-4008D: 182 x 185 mm
- **PCI Bridge** — Pericom PI7C8150MA
- **PCI Slot** — IPPC-4001D: Primary 3 slots,Secondary 7 slots IPPC-4008D: 1 CPU PCI, 3 PCI, 4 SPCI
- **Storage** — 3 x 5.25" disk drive bay

LCD Display
- **Backlight Life** — 50,000 hrs (LED Backlight)
- **Contrast Ratio** — 800:1
- **Display Size** — 5.7"
- **Display Type** — VGA TFT LCD
- **Luminance** — 700 cd/m2
- **Max. Colors** — 262 K (RGB 6-bit)
- **Max. Resolution** — 640 x 480
- **OSD Control** — ON/OFF, Brightness down, up
- **Viewing Angle (H/V°)** — 160/140

Environment
- **Humidity** — 5 ~ 85% RH @ 40°C (non-condensing)
- **Ingress Protection** — Front panel 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)
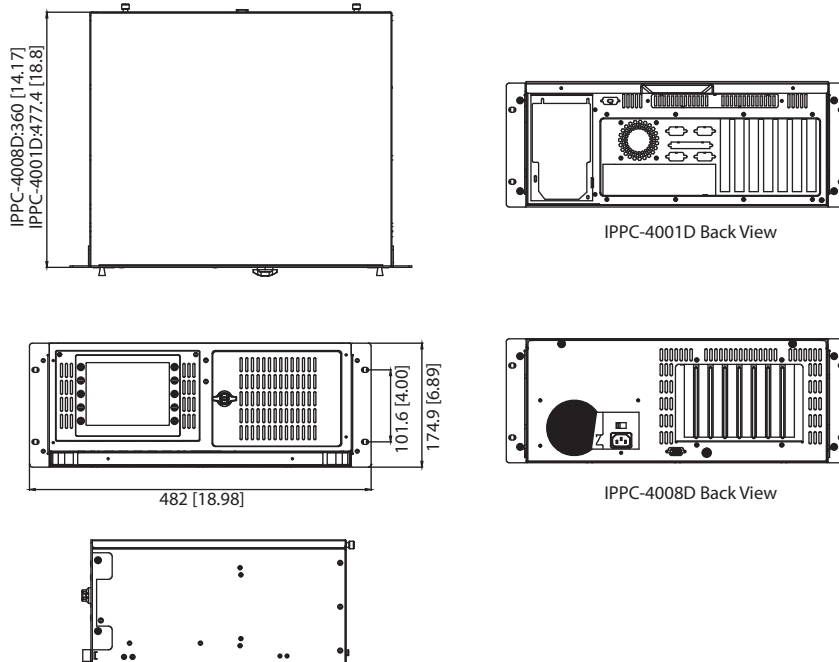
Ordering Information
- **IPPC-4001D-B0AE** — 5.7" VGA 4U 19" IPPC, 300W, 2 PICMG, 10 PCI, 2 ISA
- **IPPC-4008D-B0AE** — 5.7" VGA 4U 19" Half-sized IPPC, 300W, 8 PCI

CPU Card Suggestions

	Part No	CPU Grade	Description
IPPC-4001D	PCA-6194G2-00A1E	Intel Core2 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-6008VG-06A1E	Intel Pentium M/Celeron M (533 MHz FSB)	Socket 479 Pentium M/ Celeron M Processor Card with VGA/ DVI/ Dual GbE LAN
IPPC-4008D	PCI-7020VG-00A1E	Intel Core 2 Duo (1066/800/533 MHz FSB)	LGA775 Intel Core 2 Duo PCI Half-size SBC with VGA/GbE LAN/SATA/DVI and SSD (FSB 1066MHz)
	PCI-6886F-00A2E	Socket-M Intel Core 2 Duo (667/533 MHz FSB)	PCI Socket479 SlotPC w/ LAN/VGA
	PCI-7031N-S6A1E	Onboard Intel Atom N450 CPU and IGB onboard DDR2 667 Memory (only for N SKU)	PCI Half-Sized SBC with onboard DDR2 Memory/ VGA/LAN/SATA/FDD/USB/ COM/LPT/LVDS/CF

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All product specifications are subject to change without notice   Last updated : 28-Aug-2013

Dimensions

Unit: mm

IPPC-4008D:360 [14.17]
IPPC-4001D:477.4 [18.8]

101.6 [4.00]
174.9 [6.89]

482 [18.98]

IPPC-4001D Back View

IPPC-4008D Back 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

Rear View

IPPC-4001D

IPPC-4008D

System View

PWR LED

Power On/Off

Reset

OSD Controls

HDD LED

2 x USB

PCI Card Holder
(with Clamp)

PSU

System
Fan

Passive
Backplane