IPPC-4001D

5.7" VGA TFT LCD 4U 19" Rack Industrial Panel PC with 14 Expansion Slots & Keyboard Drawer

NEW

Features

- 4U height 19" rackmount 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 expansion slots for 2 PICMG, 10 PCI, 2 ISA
- 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

Introduction

IPPC-4001D is a 4U 19" rackmount Industrial Panel PC with 5.7" VGA TFT LCD display, passive backplane and ISA/PCI/PICMG expansion slots. Designed to be an all-in-one and cost-effective solution for traditional IPC users, IPPC-4001D 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)
- **Certifications** — BSMI, CCC, CE, FCC
- **Dimensions (W x H x D)** — 482 x 174.9 x 486.7 mm (18.97" x 6.88" x 19.16")
- **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 Output** — + 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** — 19.99 kg (44 lbs)

System Hardware

- **Passive Backplane** — PCA-6114P10
- **Slots** — 2 PICMG, 10 PCI, 2 ISA
- **Backplane Size** — 315 x 260 mm (12.4" x 10.24")
- **PCI Bridge** — Pericom PI7C8150MA
- **PCI Slot** — Primary: 3 slots, Secondary: 7 slots
- **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
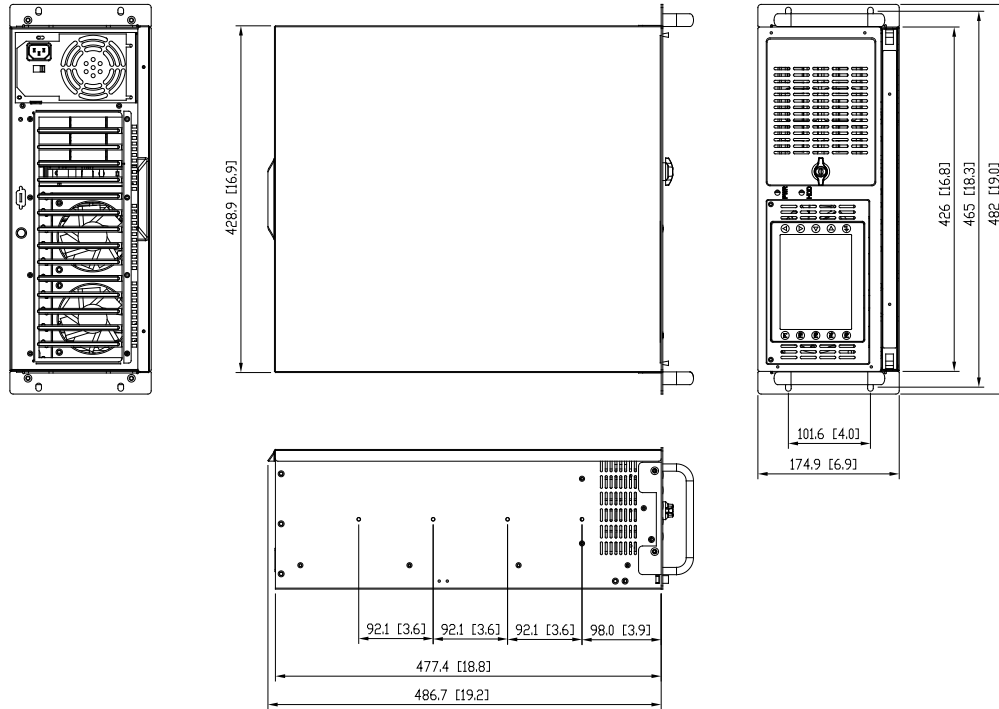- **Viewing Angle (H/V°)** — 160/140

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

Dimensions

Unit: mm

428.9 [16.9]

426 [16.8]
465 [18.3]
482 [19.0]

101.6 [4.0]
174.9 [6.9]

92.1 [3.6] 92.1 [3.6] 92.1 [3.6] 98.0 [3.9]
477.4 [18.8]
486.7 [19.2]

CPU Card Suggestions

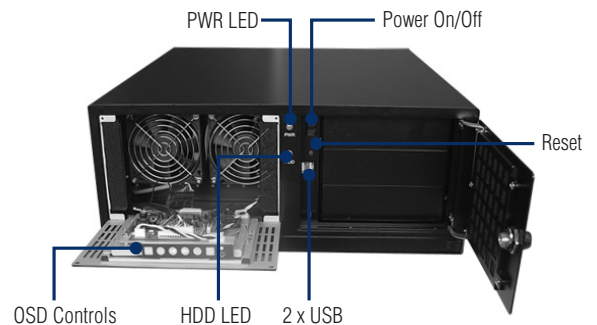| Part No	CPU Grade	Description
PCA-6194G2-00A1E	Intel Core 2 Duo (1066/800/533 MHz FSB)	LGA775 Core 2 Duo/Pentium D/Pentium 4/Celeron D Processor Card with IPMI/ VGA/Dual GbE LAN (FSB 1066/800 MHz)
PCA-6190VG-00A2E	Intel Pentium 4 (533/800 MHz FSB)	LGA775 Pentium 4/Celeron Processor Card with VGA/LAN/
PCA-6187VG-00A2E	Intel Pentium 4 (400/533/800 MHz FSB)	Socket 478 Pentium 4/Celeron D/Celeron Processor Card with VGA/LAN
PCA-6008VG-06A1E	Intel Pentium M/Celeron M (533 MHz FSB)	Socket 479 Pentium M/ Celeron M Processor Card with VGA/ DVI/ Dual GbE LAN

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

System View

PWR LED   Power On/Off

Reset

OSD Controls   HDD LED   2 x USB

PCI Card Holder (with Clamp)

System Fan

PSU

Passive Backplane

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