

# ECS-IPPC-4001D

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



### 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

ECS-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, ECS-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)
- **Certification** 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<sub>AC</sub> @ 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/m<sup>2</sup>
- **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

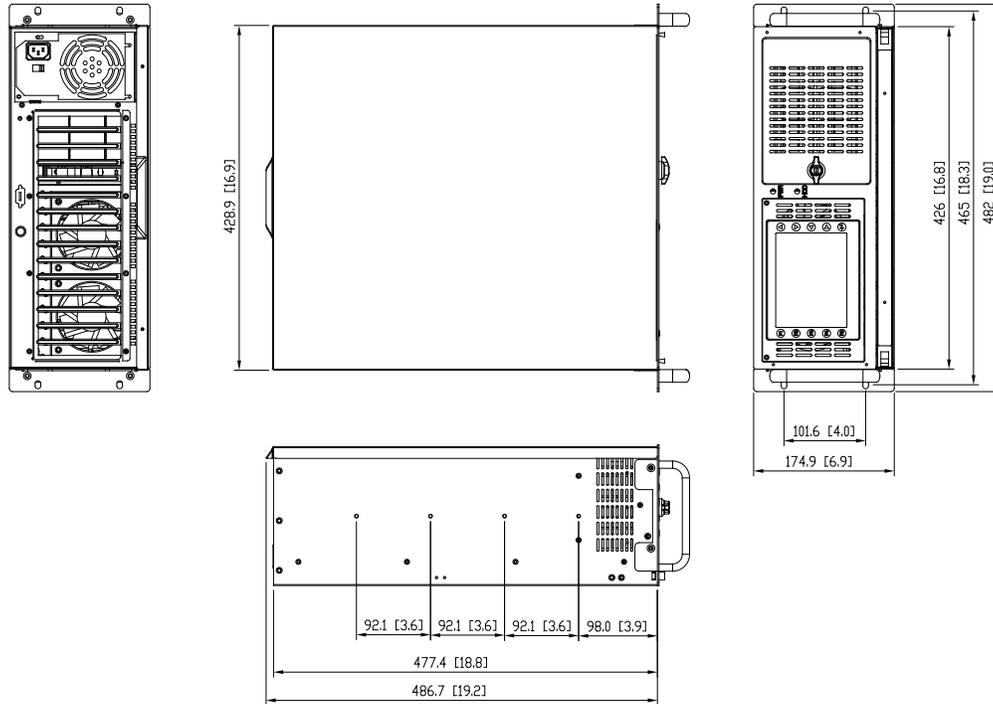
- **Humidity** 5 ~ 85% RH @ 40°C (non-condensing)
- **Ingress Protection** Front panel IP65
- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Vibration Protection** 5 ~ 500 Hz, 1 GRMS random vibration (operating)

### Ordering Information

- ECS-IPPC-4001D-B0AE 5.7" VGA 4U 19" IPPC, 300W, 2 PICMG, 10 PCI, 2 ISA

## Dimensions

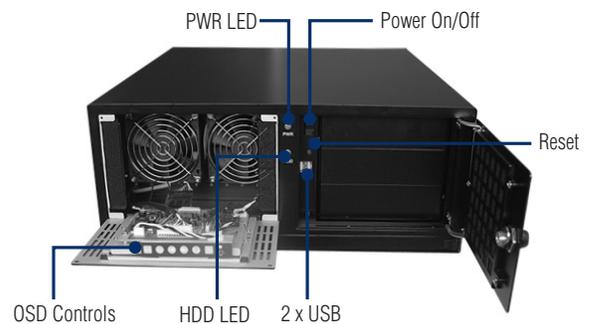
Unit: mm



## CPU Card Suggestions

Part No	CPU Grade	Description
PCA-6008VG	"Intel Pentium M/Celeron M (533 MHz FSB)"	Socket 479 Pentium M/ Celeron M Processor Card with VGA/ DVI/ Dual GbE LAN
PCA-6010G2	Intel® Core™2 Duo FSB 1066 MHz	LGA775 FSBC with VGA/ Dual GbE LAN/ HISA, RoHS
PCA-6012G2	Intel Atom D525	Onboard Atom D525 CPU with VGA/ Dual GbE LAN
PCA-6013G2	Intel® Atom™ D525	AtomD525 CPU with VGA/ Dual GbE LAN antiSurge
PCA-6028VG	Intel® Core™ i7/i5/i3/ Pentium LGA1150	LGA1150 FSBC/VGA/DVI/ Single GbE LAN/HISA, RoHS

## System 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

