IPPC-4000D

5.7" VGA TFT LCD 4U 19" Rack Industrial Panel PC with 7 Expansion Slots

NEW

Features

- 4U rackmount chassis supports ATX Industrial Motherboard
- Supports high performance Intel Core 2 Duo processor
- Shock-resistant disk drive bay design holds up to three 5.25" and one 3.5" disk drives
- Front accessible USB interface for easy data transferring
- Dual front-accessible filtered cooling fans provide optimal, streamlined airflow
- Front LEDs indicate system health, such as power status, fan operation, in chassis temperature and HDD activity
- Lockable front door prevents unauthorized access
- Supports 300 W single PS/2 and reduntant ATX power supplies

Introduction

IPPC-4000D is a 4U 19" rackmount industrial Panel PC with 5.7" VGA TFT LCD display and a built-in ATX industrial motherboard. This design reduces the interconnections between the backplane and the CPU card, which enhances the platforms reliability. The compact & reliable design is catered for use in limited space environments, such as test and measurement stations & machinery.

Specifications

General

- **Certifications**   BSMI, CCC, CE, FCC
- **Cooling System**   2 x 85 CFM fan w/Air Filter
- **Dimensions (W x H x D)** 482 x 177 x 480 mm (19" x 7" x 18.9")
- **Weight (Gross)**   18 kg (39.6 lb)
- **Power Input**   90 ~ 264 V_{AC} @ 47 ~ 63 Hz full range 6.0/3.0A
- **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

System Hardware

- **CPU**   Intel uFC-LGA 775, Supports Core 2 Extreme/Core 2 Duo
- **Chipset**   Intel 82Q965
- **Memory**   Four 240-pin DIMM sockets up to 8GB Dual Channel DDR2 800/667/533 SDRAM
- **LAN**   1 x 10/100/1000Base-T
- **Expansion**   1 x PCIe x 16
  1 x PCIe x 4
  5 x PCI
- **Storage**   1 x 3.5" HDD
  3 x 5.25" (Front Accessible)
- **I/Os**   1 x e-SATA
  6 x USB 2.0 (two at front)
  2 x PS2
  1 x VGA Port
  1 x Parallel Port
  1 x IEEE 1394a
  Mic-in, Line-in, Line-out, CD Audio in, S/PDIF

LCD Display

- **Backlight Life**   50,000 hrs (LED Backlight)
- **Contrast Ratio**   300 : 1
- **Display Size**   5.7"
- **Display Type**   VGA TFT LCD
- **Luminance**   220 cd/m^2
- **Max. Colors**   262 K (RGB 6-bit)
- **Max. Resolution**   640 x 480
- **OSD Control**   ON/OFF, Brightness down, up
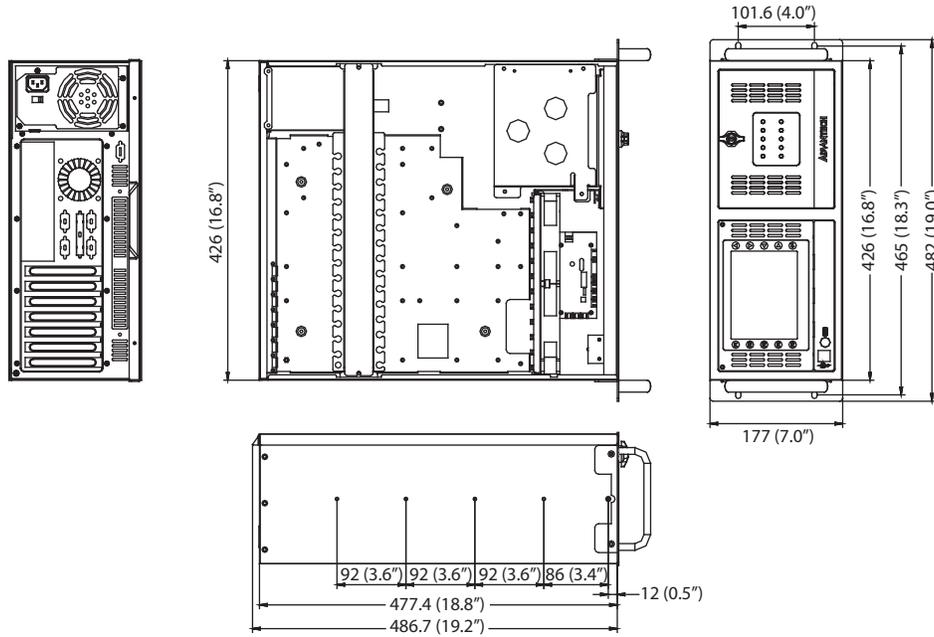- **Viewing Angle (H/V°)**   140/100

Environment

- **Humidity**   10 ~ 85% RH @ 40° C (non-condensing)
- **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

Ordering Information

- **IPPC-4000D-A0AE**   5.7" VGA 4U 19" Rack Ind. Panel PC, Pentium 4
- **IPPC-4000D-A2AE**   5.7" VGA 4U 19" Rack Ind. Panel PC, Core 2 Duo

Dimensions

Unit: mm

101.6 (4.0")
426 (16.8")
426 (16.8")
465 (18.3")
482 (19.0")
177 (7.0")
92 (3.6") | 92 (3.6") | 92 (3.6") | 86 (3.4")
12 (0.5")
477.4 (18.8")
486.7 (19.2")

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
- **KBD-6312**   1U Rackmount Keyboard with Touchpad

Rear View

System View

Power Reset
Alarm Reset
Power Switch
OSD (Onscreen Display)

PCI Card Holder with Clamp
Industrial Motherboard
PSU