IPPC-4000D

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

NEW

R33138 ⊕ CCC CE FCC

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
- Supports four hot swappable 2.5" SATA HDD's (Optional)

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

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/m²
- **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
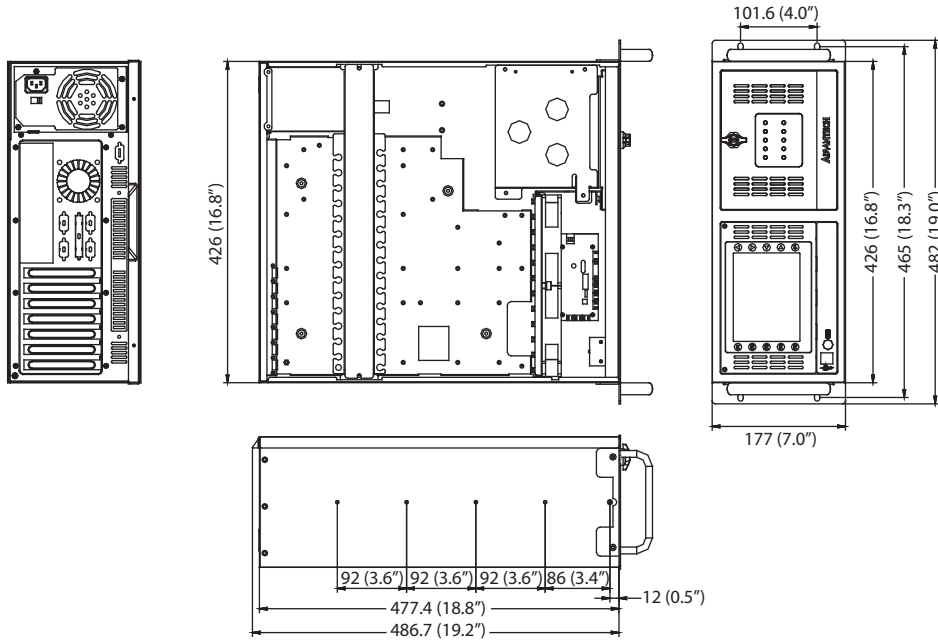
System Hardware

Model	IPPC-4000D-A0AE	IPPC-4000D-A2AE
CPU	Intel uFC-LGA 775 Pentium4/Celeron D (Up to 3.2GHz)	Intel uFC-LGA 775 Core 2 Extreme/Core 2 Duo (Up to 2.13GHz)
Chipset	Intel 82915GV	Intel 82Q965
Memory	Four 240-pin DIMM sockets up to 4GB Dual Channel DDR2 667/533/400 SDRAM	Four 240-pin DIMM sockets up to 8GB Dual Channel DDR2 800/667/533 SDRAM
LAN	2 x 10/100/1000Base-T (RTL8110SC)	1 x 10/100/1000Base-T (Intel 82566DM)
Extension Slot	1 x ADD-2 5 x PCI(V2.2) 2 x ISA	1 x PCIex16 1 x PCIe x 4 5 x PCI(V2.2)
Storage	1 x 3.5"" HDD 3 x 5.25""(Front Accessible)	1 x 3.5"" HDD 3 x 5.25""(Front Accessible)
I/Os	6 x USB 2.0 (2 at front) 2 x PS/2 1 x RS-232/422/485 1 x Parallel Port 1 x VGA Port Mic-in, Line-in, Line-out, CD Audio in	6 x USB 2.0 (2 at front) 2 x PS/2 1 x Parallel Port 1 x VGA Port 1 x IEEE 1394a 1 x e-SATA Mic-in, Line-in, Line-out, CD Audio in, S/PDIF
Internal I/Os (Included in Accessories)	1 X RS-232 with cable & bracket 2 x USB 2.0 4 X SATA with cable	4 X RS-232 with cable & bracket 2 x USB 2.0 7 X SATA with cable

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
- **9663400060E**   Hot Swap SATA HDD

I/O Outlook

IPPC-4000D-A2AE

IPPC-4000D-A0AE

System View

Hot Swap (Optional)

Power Reset
Alarm Reset
Power Switch
OSD
(Onscreen
Display)

PCI Card Holder
with Clamp

Industrial
Motherboard

PSU