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-4000 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 466.7 mm (18.97" x 6.88" x 19.16")
  - 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 VAC @ 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-6108PG
  - 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")
- **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

<table>
<thead>
<tr>
<th>Part No</th>
<th>CPU Grade</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PCA-6192G2-00A1E</td>
<td>Intel Core2 Duo (1066/800/533 MHz FSB)</td>
<td>LGA775 Core2 Duo Pentium4/Pentium4/Celeron D Processor Card with IPMI/VGA/Dual G2E LAN (FSB 1066/800/533 MHz)</td>
</tr>
<tr>
<td>PCA-6190VG-00A2E</td>
<td>Intel Pentium 4 (533/800/533 MHz FSB)</td>
<td>LGA775 Pentium 4/Celeron D/Celeron Processor Card with VGA/LAN</td>
</tr>
<tr>
<td>PCA-6187VG-00A2E</td>
<td>Intel Pentium 4 (400/533/800 MHz FSB)</td>
<td>Socket 478 Pentium 4/Celeron D/Celeron Processor Card with VGA/LAN</td>
</tr>
<tr>
<td>PCA-6006VG-06A1E</td>
<td>Intel Pentium M/Celeron M (533 MHz FSB)</td>
<td>LGA775 Pentium M/Celeron M Processor Card with GDA Dual G2E LAN</td>
</tr>
<tr>
<td>PCI-7020VG-00A1E</td>
<td>Intel Core 2 Duo (1066/800/533 MHz FSB)</td>
<td>LGA775 Core2 Duo Pentium4/Pentium4/Celeron D Processor Card with IPMI/VGA/Dual G2E LAN (FSB 1066/800/533 MHz)</td>
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<tr>
<td>PCI-6686F-00A2E</td>
<td>Socket-IT Pentium 2 Duo (667/533 MHz FSB)</td>
<td>Socket 775 IT Intel Pentium 2 Duo Processor Card with VGA/LAN</td>
</tr>
<tr>
<td>PCI-7031N-56A1E</td>
<td>Onboard Intel Atom M460 CPU and I/O onboard DIO 667 Memory (only for N SKU)</td>
<td>LGA775 Intel Core2 Duo 1156 Pentium4/Pentium4/Celeron D Processor Card with IPMI/VGA/Dual G2E LAN (FSB 1066/800/533 MHz)</td>
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Notes: All product specifications are subject to change without notice. Last updated: 28-Aug-2013
### 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

### 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

### Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Front View</th>
<th>Rear View</th>
<th>Top View</th>
<th>Bottom View</th>
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<tbody>
<tr>
<td>IPPC-4001D</td>
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<td>IPPC-4008D</td>
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Unit: mm

- IPPC-4000D: 414 [16.3]
- IPPC-4001D: 147.4 [5.8]
- IPPC-4008D: 141.7 [5.6]
- IPPC-4001D Back View
- IPPC-4008D Back View