

# IPC-1000

1U Rackmount PC System with  
two free PCI Slots (32 or 64-bit)



## Features

- Processor Cards available from low-power PIII to high-speed Core2 Duo with memory up to 3GB
- One internal 3.5" Hard drive from 80 - 500GB
- Front-accessible On/Off & reset switches, 2xUSB ports, HDD & power LEDs, PS/2 keyboard & mouse connector, Slimline CD/DVD and Floppy drive
- Supports up to two 32-bit or 64-bit full-length PCI cards
- Four cooling fans designed for optimising the system's filtered airflow
- 200 watt ATX PFC autoswitching PSU (100 -240V AC)
- Rugged construction and design for harsh industrial environments
- Customised to suit specific applications
- Operating System pre-installed



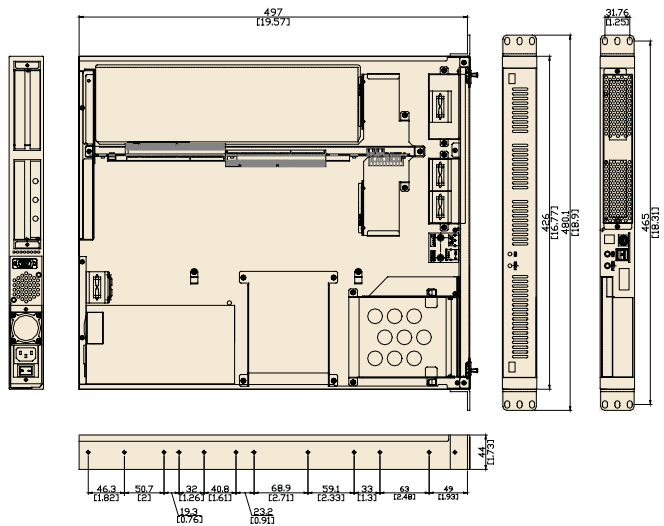
## Description

The IPC-1000 is a 19" 1U Rackmount PC designed for applications where reliability and robustness are essential but space is limited. Typical applications include internet servers, telecoms servers and systems monitoring. The unit can be supplied with processor cards from low-power PIII to high-speed Core2 Duo, it has a front accessible CD/DVD writer & floppy drive and an internal 3.5" hard drive with options from 80 - 500GB. Expansion is provided by two full length PCI slots, 32-bit as standard but optionally 64-bit. The IPC-1000 has a wide range of I/O ports and can be customised to suit specific applications. It is supplied with the operating system pre-installed.

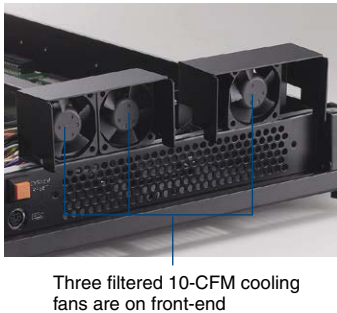
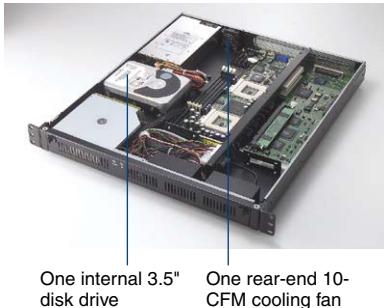
## Specifications

	Pentium III	Pentium M/Celeron M	Core2 Duo
<b>Chassis</b>	Advantech ACP-1000	Advantech ACP-1000	Advantech ACP-1000
Drive Bays (external)	1 x 5.25 Slim + 1 x 3.5"	1 x 5.25 Slim + 1 x 3.5"	1 x 5.25 Slim + 1 x 3.5"
Drive Bays (internal)	1 x 3.5"	1 x 3.5"	1 x 3.5"
I/O ports (front)	2 x USB, 1xPS/2 Keyboard & Mouse	2 x USB, 1xPS/2 Keyboard & Mouse	2 x USB, 1xPS/2 Keyboard & Mouse
Switches & Indicators (front)	On/Off & Reset Sw., Power & HDD LEDs	On/Off & Reset Sw., Power & HDD LEDs	On/Off & Reset Sw., Power & HDD LEDs
I/O ports (rear)	Mains I/P and spare 9-way D opening	Mains I/P and spare 9-way D opening	Mains I/P and spare 9-way D opening
Cooling	4 x 10 CFM fans, front removable filter	4 x 10 CFM fans, front removable filter	4 x 10 CFM fans, front removable filter
<b>Power Supply</b>	200W ATX PFC AutoSw. 100-240V AC	200W ATX PFC AutoSw. 100-240V AC	200W ATX PFC AutoSw. 100-240V AC
<b>Backplane</b>			
Standard 32-bit PCI	PCA-6103P2V (1xCPU, 2xPCI)	PCA-6103P2V (1xCPU, 2xPCI)	PCA-6103P2V (1xCPU, 2xPCI)
Optional 64-bit PCI	N/A	PCA-6103P2VX (1xCPU, 2xPCI)	N/A
<b>Single Board Computer</b>			
Processor Card	PCA-6003VE	FS-97AVL or PCA-6189	FS-97C
CPU	PIII 1.2GHz Tualatin	Pentium M/Celeron M 1.6GHz - 2.0GHz	Core2 duo 1.6GHz - 2.0GHz
Memory	128MB - 1GB PC133 SDRAM	256MB - 2GB DDR 333	256MB - 3GB DDR2 533/667 MHz
Graphics	Intel On-board Extreme graphics	Intel On-board Extreme graphics	Intel On-board Extreme GMA950 graphics
Network	1x10/100 Base-T	1x10/100 Base-T (optional 2xGbit LAN)	2xGbit LAN
Audio	AC97 Line-in,Line-out,Mic-in,Spk-out	AC97 Line-in,Line-out,Mic-in,Spk-out	AC97 Line-in,Line-out,Mic-in,Spk-out
I/O ports (rear)	VGA, LAN, COM1, PS/2 keyb & mouse	VGA, LAN, COM1, PS/2 keyb & mouse	VGA, 2xLAN, PS/2 keyb & mouse
Optional I/O ports (rear)	LPT1, COM2, 2xUSB, AC97 Audio, 1xIrDA	LPT1, COM2, 2xUSB, AC97 Audio, 1xIrDA	LPT1, COM1&2, 4xUSB, AC97 Audio, 1xIrDA
Miscellaneous	On-board Watchdog Timer	Watchdog Timer & Compact Flash SSD	Watchdog Timer & Compact Flash SSD
<b>Drives</b>			
Floppy Drive	3.5" 1.44MB	3.5" 1.44MB	3.5" 1.44MB
CD/DVD	Slimline CD/DVD Writer	Slimline CD/DVD Writer	Slimline CD/DVD Writer
Hard Drive	3.5" 80 - 500 GB	3.5" 80 - 500 GB	3.5" 80 - 500 GB
<b>Operating Conditions</b>			
Temperature (operating)	0 to 50 degrees	0 to 50 degrees	0 to 50 degrees
Temperature (non-operating)	-20 to 60 degrees	-20 to 60 degrees	-20 to 60 degrees
Humidity (non-condensing)	10 - 90%	10 - 90%	10 - 90%
Shock (operating)	10G	10G	10G
Shock (non-operating)	30G	30G	30G
<b>MTBF</b>	>50,000 hrs	>50,000 hrs	>50,000 hrs
<b>Physical Characteristics</b>			
Dimensions (W x H x D) mm	482 x 44 x 497 mm	482 x 44 x 497 mm	482 x 44 x 497 mm
Weight (kg)	10.5kg	10.5 kg	10.5kg

**Dimensions**



Unit: mm (inch)



**Ordering Information**

Each IPC-1000 is configured to meet the customers specifications and given a unique part number. Typical configurations are shown below:

Part Number	Description
IPC-1000-21221-206010 Basic System	IPC-1000 with PIII 1.2GHz processor, 128MB memory, CD/DVD writer, 80GB Hard Drive, 1.44MB Floppy Drive, 2x32-bit PCI slots, No Operating System and finished in Black.
IPC-1000-21333-406610 Intermediate (2x32-bit PCI)	IPC-1000 with Celeron M 1.6GHz processor, 512MB memory, CD/DVD writer, 160GB Hard Drive, 1.44MB Floppy Drive, 2x32-bit PCI slots, XP Home and finished in Black.
IPC-1000-22454-606710 Intermediate (2x64-bit PCI)	IPC-1000 with Celeron M 2.0GHz processor, 1GB memory, CD/DVD writer, 320GB Hard Drive, 1.44MB Floppy Drive, 2x64-bit PCI slots, XP Pro and finished in Black.
IPC-1000-21576-806710 High Power System	IPC-1000 with Core2 Duo 2.0GHz processor, 3GB memory, CD/DVD writer, 500GB Hard Drive, 1.44MB Floppy Drive, 2x32-bit PCI slots, XP Pro and finished in Black.