



Features

- Processor Cards available from low-power PIII to high-speed Core2 Duo & Core2 Quad with memory up to 3GB
- Hard Drives from 80 - 750GB (fixed or removable)
- Supports Passive Backplanes (ISA, PCI, PCI-X, PCIe) up to 14 slots
- Shock resistant drive bay holds 3x5.25" & 2x3.5" drives (1x3.5" is internal)
- Lockable drive bay door prevents unauthorised access to power switch, reset switch, alarm reset, 2 x USB ports and drive bays
- Alarm indication of power supply failure, fan failure and overtemperature
- Hot-swap cooling fan with front removable filter
- Range of AC & DC PSU Options - 350W ATX PFC (100-240VAC) as Standard
- Rugged construction and design for harsh industrial environments

Description

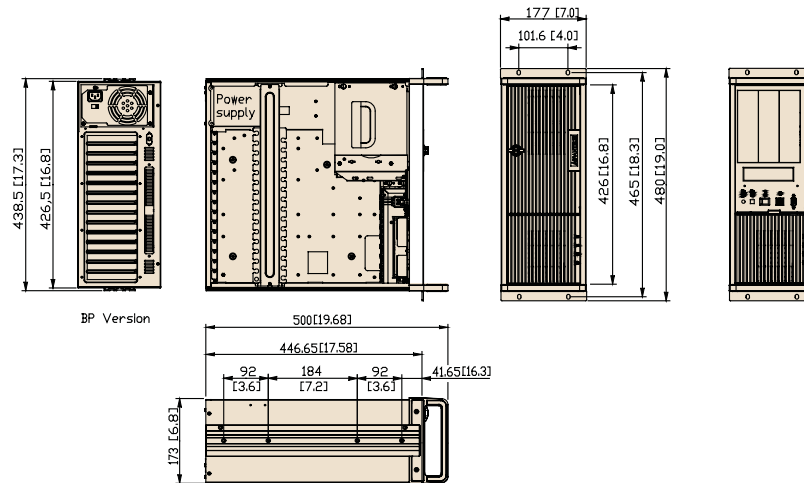


The IPC-630 is a 19" 4U Rackmount PC designed for applications where reliability and robustness are essential. The unit can be supplied with processor cards from low-power PIII to high-speed Core2 Quad with up to 3GB of on-board memory. The Chassis is of rugged construction and designed to cope with harsh industrial environments. It has alarm indication (visual & audible) of power supply failure, fan failure and overtemperature. It has a shock resistant drive bay and accepts a wide range of passive backplanes. A lockable front door prevents unauthorised access to the power switch, reset switch, alarm reset, 2xUSB ports and drive bays. The unit is supplied with a 3.5" FDD, CD/DVD Writer and has hard drive options from 80 - 750GB including removable drives. The IPC-630 provides a wide range of I/O ports and can be customised to suit specific applications. It is supplied with the chosen operating system pre-installed.

Specifications

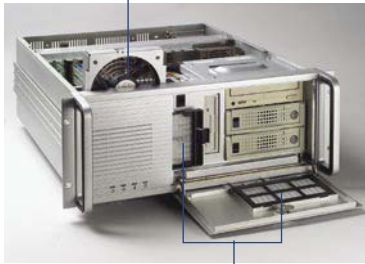
	Pentium III	Pentium M/Celeron M	Core2 Duo/Core2 Quad
Chassis	IPC-630	IPC-630	IPC-630
Drive Bays (external)	3 x 5.25 + 1 x 3.5"	3 x 5.25 + 1 x 3.5"	3 x 5.25 + 1 x 3.5"
Drive Bays (internal)	1 x 3.5"	1 x 3.5"	1 x 3.5"
Switches & Indicators (front)	On/Off & Reset Sw., Power & HDD LEDs	On/Off & Reset Sw., Power & HDD LEDs	On/Off & Reset Sw., Power & HDD LEDs
I/O ports (front)	2xUSB and spare 9-way D opening	2xUSB and spare 9-way D opening	2xUSB and spare 9-way D opening
Cooling	1 x 114 CFM fan, front removable filter	1 x 114 CFM fan, front removable filter	1 x 114 CFM fan, front removable filter
Power Supply			
Standard Option	350W ATX PFC Auto. 100-240V AC	350W or 460W ATX PFC 100-240V AC	350W or 460W ATX PFC 100-240V AC
Backplane Options			
	A range of backplanes are available for this chassis with combinations of ISA, PCI, PCI-X & PCIe slots - see PASSIVE BACKPLANE datasheet		
	Accepts PICMG 1.0 backplanes	Accepts PICMG 1.0 backplanes	Accepts PICMG 1.0 & 1.3 backplanes
Single Board Computer			
Processor Card	PCA-6003VE	FS-97AVL/FS-97C	FS-97C/FS-A70
CPU	PIII 1.2GHz Tualatin	Pentium M/Celeron M 1.6GHz - 2.0GHz	Core2 duo/Core2 Quad 1.6GHz - 2.0GHz
Memory	128MB - 1GB PC133 SDRAM	256MB - 2GB DDR	256MB - 3GB DDR2 533/667/800 MHz
Graphics	Intel On-board Extreme graphics	Intel On-board Extreme graphics	Intel On-board Extreme graphics
Network	1x10/100 Base-T	1xGbit Lan (optional 2x Gbit Lan)	1xGbit Lan (optional 2x Gbit 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, 1xLAN, 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
Drives			
Floppy Drive	3.5" 1.44MB	3.5" 1.44MB	3.5" 1.44MB
CD/DVD	CD/DVD Writer	CD/DVD Writer	CD/DVD Writer
Hard Drive	3.5" 80 - 750 GB (optional removable)	3.5" 80 - 750 GB (optional removable)	3.5" 80 - 750 GB (optional removable)
Raid Support	N/A	N/A	RAID 0, 1, 5, 10
Operating Conditions			
Temperature (operating)	0 to 50 degrees	0 to 50 degrees	0 to 50 degrees
Temperature (non-operating)	-20 to 65 degrees	-20 to 65 degrees	-20 to 65 degrees
Humidity (non-condensing)	10 - 90%	10 - 90%	10 - 90%
MTBF			
	>50,000 hrs	>50,000 hrs	>50,000 hrs
Physical Characteristics			
Dimensions	482x177x447 (W x H x D) mm	482x177x447 (W x H x D) mm	482x177x447 (W x H x D) mm
Weight (kg)	21.0 kg	21.0 kg	21.0 kg

Dimensions



Unit: mm (inch)

Easy-to-replace system fan design



Reusable and easy-to-maintain fan filters



Enhanced anti-vibration mechanical design for PICMG 1.3 full-sized CPU card



PWR FAN Temp. HDD

One 3.5" drive bay



Three 5.25" drive bays
One internal 3.5" drive bay

Ordering Information

Each IPC-630 is configured to meet the customers specifications and given a unique part number. Typical configurations are shown below:

Part Number	Description
IPC-630-B8221-204000 Basic System	IPC-630 with 350W PSU, PCA-6114P4 backplane (2xPICMG,4xPCI,8xISA), PIII 1.2GHz processor, 128MB memory, CD/DVD Writer, 80GB Hard Drive, 1.44MB Floppy Drive, No Operating System and finished in RAL7032.
IPC-630-B9343-404600 Intermediate	IPC-630 with 350W PSU, PCA-6114P7 backplane (3xPICMG,7xPCI,4xISA), Celeron M 1.6GHz processor, 512MB memory, CD/DVD Writer, 160GB Hard Drive, 1.44MB Floppy Drive, XP Home and finished in RAL7032.
IPC-630-BA576-904710 High Power System	IPC-630 with 350W PSU, PCA-6114P10 backplane (2xPICMG,10xPCI,2xISA), Core2 Duo 2.0GHz processor, 3GB memory, CD/DVD Writer, 500GB Hard Drive, 1.44MB Floppy Drive, XP Pro and finished in Black.