

IPC-7000

7U 20-slot Rackmount PC with 6 hot-swap Ultra320 SCSI SCA HDD Bays and Redundant PSU



Features

- Processor Cards & Motherboards available from low-power PIII to high-speed Core2 Duo or Core2 Quad with memory up to 8GB
- Hard Drives from 80GB - 1TB (fixed or removable)
- 7U Chassis supports Single, Dual or Quad PCs in one enclosure
- Drive Bays hold 6 hot-swap SCSI drives, 2 x 5.25 bays and 1x slimline CD/DVD
- Lockable door for access to power switch, reset, USB, keyboard & drives
- 4 Hot-Swap Chassis cooling fans with front removable filters
- Hot-swap Redundant ATX Power Supplies of 460W, 570W or 810W
- Rugged construction and design for harsh industrial environments
- Customised to suit specific applications
- Alarm indication of PSU failure, fan failure and overtemperature

Description

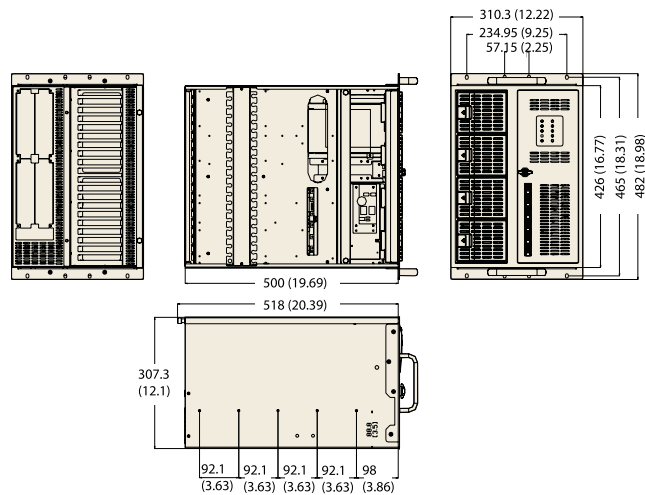


The IPC-7000 is a 19" 7U Rackmount PC designed for mission critical applications. Typical applications include Web Servers, Telecoms servers, Factory Automation and Test & Control Systems. The unit can be supplied with processor cards from low-power PIII to high-speed Core2 Duo/Core2 Quad with up to 8GB of on-board memory. The Chassis accepts either multi-segment backplanes (for single, dual or quad PCs) or two Industrial ATX Motherboards. A lockable front door prevents unauthorised access to the Power & Reset switches, USB & PS/2 ports and drive bays. The unit has 6 hot-swap SCSI 3.5" SCA drive bays, 2x5.25", 1x3.5" and 1xslimline CD/DVD drive bay. The IPC-7000 has dual redundant PSUs for increased reliability and provides alarm indication of PSU failure, fan failure and system overtemperature.

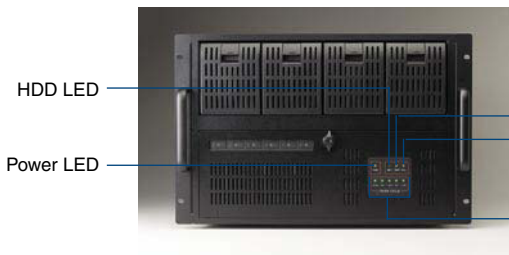
Specifications

	Pentium III	Pentium M/Celeron M	Core2 Duo/Core2 Quad
Chassis	ACP-7000	ACP-7000	ACP-7000
Drive Bays (external)	6 x 3.5" SCA hot-swap, 1 x 3.5" FDD, 2 x 5.25", 1 x Slimline CD/DVD	6 x 3.5" SCA hot-swap, 1 x 3.5" FDD, 2 x 5.25", 1 x Slimline CD/DVD	6 x 3.5" SCA hot-swap, 1 x 3.5" FDD, 2 x 5.25", 1 x Slimline CD/DVD
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, 4 x spare 9-way D openings	Mains I/P, 4 x spare 9-way D openings	Mains I/P, 4 x spare 9-way D openings
Cooling	4 x 58 CFM fan, front removable filter	4 x 58 CFM fan, front removable filter	4 x 58 CFM fan, front removable filter
Power Supply			
Standard Option	Dual Redundant 460W ATX (100-240VAC)	Dual Redundant 460W ATX (100-240VAC)	Dual Redundant 460W ATX (100-240VAC)
Backplanes & Motherboards			
	Full range of 20-slot ISA, PCI, PICMG Backplanes including Multi -Segment and Dual ATX Motherboard Option	Full range of 20-slot ISA, PCI, PICMG Backplanes including Multi -Segment and Dual ATX Motherboard Option	Full range of 20-slot ISA, PCI, PICMG Backplanes including Multi -Segment and Dual ATX Motherboard Option
Single Board Computer			
Processor Card	PCA-6003VE	FS-97AVL/PCA-6189/FS-97C	FS-97C/FS-97B
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 - 8GB DDR2 533/667 MHz
Graphics	Intel On-board Extreme graphics	Intel On-board Extreme graphics	Intel On-board Extreme graphics
Network	1x10/100 Base-T	2x10/100/1000 Base-T	2x10/100/1000 Base-T
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" FDD	3.5" FDD	3.5" FDD
CD/DVD	CD/DVD Writer	CD/DVD Writer	CD/DVD Writer
Hard Drive	3.5" Ultra320 SCSI hot-swap	3.5" Ultra320 SCSI hot-swap	3.5" Ultra320 SCSI hot-swap
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	>80,000 hrs	>80,000 hrs	>80,000 hrs
Physical Characteristics			
Dimensions	482x307x500 (W x H x D) mm	482x307x500 (W x H x D) mm	482x307x500 (W x H x D) mm
Weight (kg)	35.0 kg	35.0 kg	35.0 kg

Dimensions

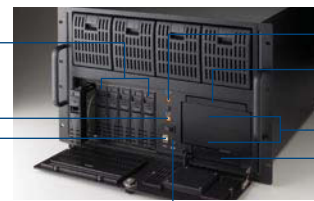


Unit: mm (inch)



Supports six Ultra320 SCSI SCA hot-swap HDDs

Alarm reset switch
USB



Four hot-swap cooling fans with filter



Hot-swap redundant power supply

Ordering Information

Each IPC-7000 is configured to meet the customers specifications and given a unique part number. Typical configurations are shown below:

Part Number	Description
IPC-7000-BE221-204000 Basic System	IPC-7000 with Dual Redundant 460W PSU, Single Segment Backplane (17xPCI, 1xISA, 2xPICMG), Core2 Duo 2.0GHz, 3GB memory, CD/DVD Writer, 500GB Hard Drive, XP pro and finished in Black.
IPC-7000-BF343-404600 Intermediate	IPC-7000 with Dual Redundant 460W PSU, Dual Segment Backplane (each segment 4xPCI, 4xISA & 2xPICMG), each PC with Celeron M 2.0GHz, 1GB memory, CD/DVD Writer, 160GB Hard Drive, XP pro and finished in Black.
IPC-7000-BJ577-904700 High Power System	IPC-7000 with Dual Redundant 460W PSU, Two Industrial Motherboards with Core2 Duo 2.0GHz processors and 4GB memory each, CD/DVD Writer, 500GB Hard Drive, XP Pro and finished in Black.