

# IPC-510

## Low Cost 4U 14-slot Rackmount PC with front USB and PS/2 interfaces



### Features

- Processor Cards available from low-power PIII to high-speed Core2 Duo with memory up to 3GB
- Hard Drives from 80 - 750GB (fixed or removable)
- Cost effective Chassis supports 14 slot Passive Backplanes
- Shock resistant drive bay holds 3x5.25" & 2x3.5" drives (1x3.5" is internal)
- Front- accessible USB & PS/2 keyboard/mouse ports
- Lockable drive bay door prevents unauthorised access to power switch & drives
- 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
- Customised to suit specific applications

### Description

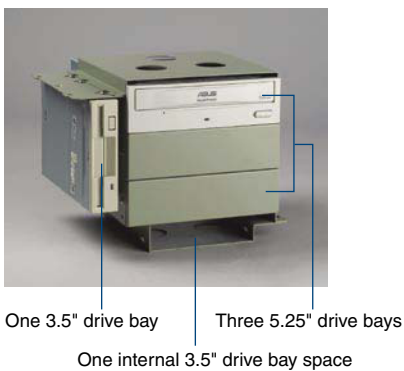
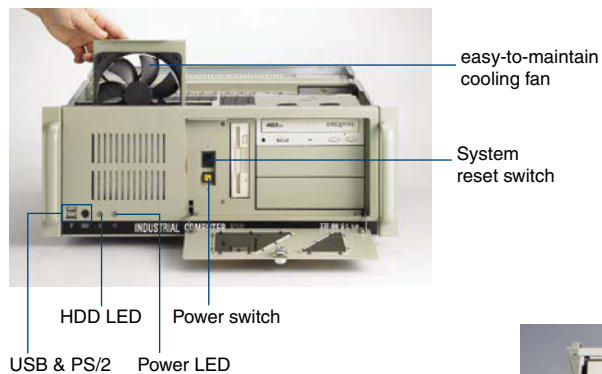
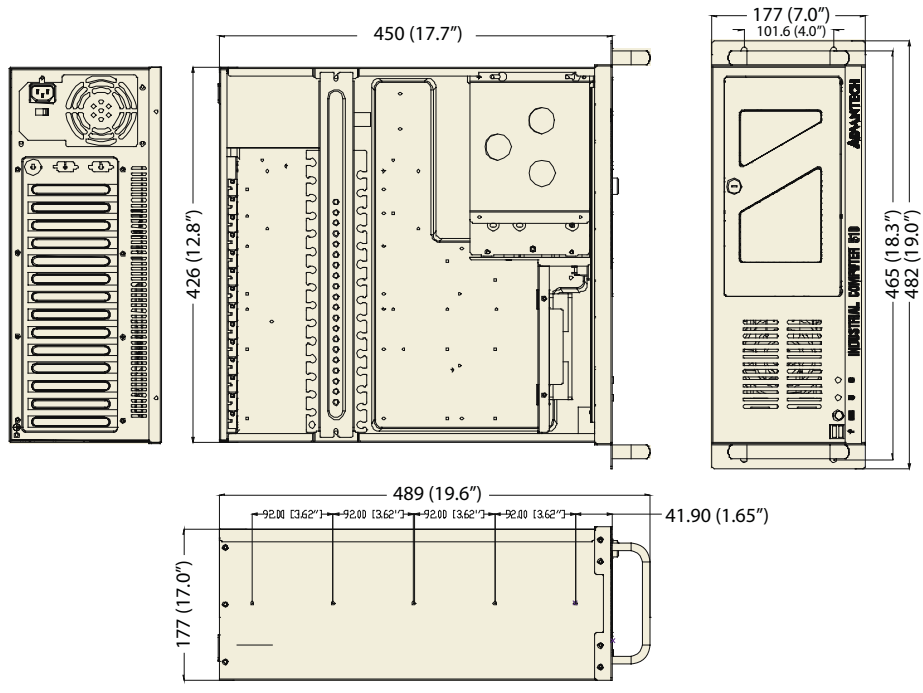


The IPC-510 is a low cost 19" 4U Rackmount PC designed for applications where reliability and robustness are essential. The unit can be supplied with processor cards from low-power PIII to high-speed Core2 Duo with up to 3GB of on-board memory. The Chassis is of rugged construction and designed to cope with harsh industrial environments. It has a shock resistant drive bay and accepts a wide range of 14 slot passive backplanes. It has front accessible USB and PS/2 ports and a lockable front door prevents unauthorised access to the Power & Reset switches and drive bays. The unit is supplied with a 3.5" FDD, CD/DVD Writer and has 3.5" hard drive options from 80 - 750GB including removable drives. The IPC-510 provides a wide range of I/O ports and can be customised to suit specific applications.

### Specifications

	Pentium III	Pentium M/Celeron M	Core2 Duo
<b>Chassis</b>	IPC-510	IPC-510	IPC-510
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)	2 x USB, 1 x PS/2	2 x USB, 1 x PS/2	2 x USB, 1 x PS/2
Cooling	1 x 85 CFM fan, front removable filter	1 x 85 CFM fan, front removable filter	1 x 85 CFM fan, front removable filter
<b>Power Supply</b>			
Standard Option	350W ATX PFC Auto. 100-240V AC	350W ATX PFC Auto.100-240V AC	350W ATX PFC Auto. 100-240V AC
<b>Backplane Options</b>			
	PCA-6114P4(2xPICMG, 4xPCI, 8xISA)	PCA-6114P4(2xPICMG, 4xPCI, 8xISA)	PCA-6114P4(2xPICMG, 4xPCI, 8xISA)
	PCA-6114P7(3xPICMG, 7xPCI, 4xISA )	PCA-6114P7(3xPICMG, 7xPCI, 4xISA )	PCA-6114P7(3xPICMG, 7xPCI, 4xISA )
	PCA-6114P10(2xPICMG, 10xPCI, 2xISA)	PCA-6114P10(2xPICMG, 10xPCI, 2xISA)	PCA-6114P10(2xPICMG, 10xPCI, 2xISA)
	Does not support PICMG1.3 backplanes	Does not support PICMG1.3 backplanes	Does not support PICMG1.3 backplanes
<b>Single Board Computer</b>			
Processor Card	PCA-6003VE	FS-97AVL/FS-97C	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 graphics
Network	1x10/100 Base-T	1x10/100/1000 Base-T	1x10/100/1000 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, 1xlrDA	LPT1, COM2, 2xUSB, AC97 Audio, 1xlrDA	LPT1, COM1&2, 4xUSB, AC97 Audio, 1xlrDA
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	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)
<b>Operating Conditions</b>			
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%
<b>MTBF</b>	>50,000 hrs	>50,000 hrs	>50,000 hrs
<b>Physical Characteristics</b>			
Dimensions	482x177x450 (W x H x D) mm	482x177x450 (W x H x D) mm	482x177x450 (W x H x D) mm
Weight (kg)	14.0 kg	14.0 kg	14.0 kg

## Dimensions



Assembled IPC-510

## Ordering Information

Each IPC-510 is configured to meet the customers specifications and given a unique part number. Typical configurations are shown below:

Part Number	Description
IPC-510-48221-104000 Basic System	IPC-510 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-510-49353-904600 Intermediate	IPC-510 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-510-4A576-A04710 High Power System	IPC-510 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.