IPC-610HM

4U Rackmount PC with ATX Motherboard, Front USB & PS/2 and Power Status

CE

Features

- Industrial ATX Motherboards available with processors from low-power Celeron D to high-speed Core2 Duo or Core2 Quad with memory up to 8GB
- SATA II Hard Drives from 80GB - 1TB (fixed or removable) with RAID support
- Chassis supports ATX & microATX Motherboards
- Shock resistant drive bay holds 3x5.25" & 2x3.5" drives (1x3.5" is internal)
- Front accessible USB & PS/2 ports and Power Status Indication
- Lockable drive bay door prevents unauthorised access to power switch & drives
- Two Front cooling fans with removable filter
- Range of AC & DC PSU Options - 350W ATX PFC (100-240VAC) as Standard
- Rugged construction and design for harsh industrial environments
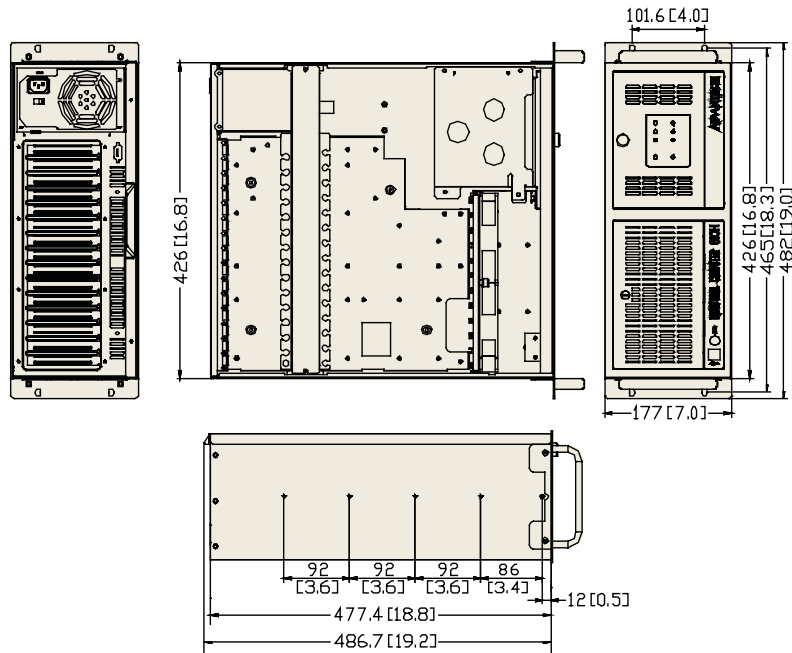- Customised to suit specific applications

Description

The IPC-610HM is a 4U Rackmount PC designed for applications where reliability and robustness are essential. The unit can be fitted with a wide range of Industrial ATX motherboards with processors from low-power PIII to high-speed Core2 Duo or Core2 Quad and memory up to 8GB. The Chassis is of rugged construction and designed to cope with harsh industrial environments. It has a shock resistant drive bay, front accessible USB and PS/2 ports and a lockable front door prevents unauthorised access to the Power & Reset switches and the drive bays. The unit is supplied with a 3.5" FDD, CD/DVD Writer and has 3.5" hard drive options from 80GB - 1TB including removable drives. The IPC-610HM provides a wide range of I/O ports and can be customised to suit specific applications.
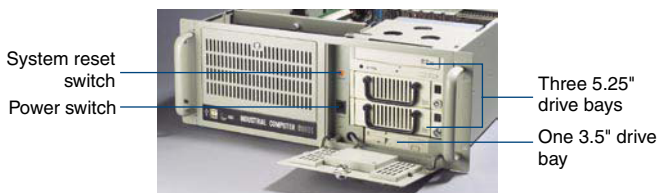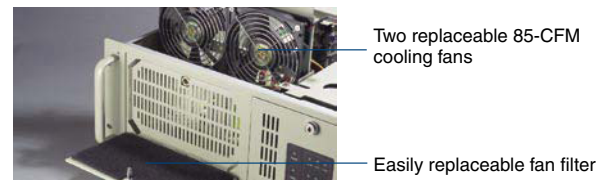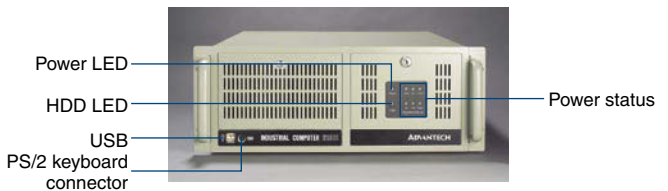
Specifications

	Celeron D/Pentium 4	Core2 Duo
Chassis	IPC-610HMB	IPC-610HMB
Drive Bays (external)	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"
Switches & Indicators (front)	On/Off & Reset Sw., Power & HDD LEDs	On/Off & Reset Sw., Power & HDD LEDs
I/O ports (rear)	Mains I/P,Spare 9-way & 25-way D opening	Mains I/P,Spare 9-way & 25-way D opening
Cooling	2 x 85 CFM fan, front removable filter	2 x 85 CFM fan, front removable filter
Power Supply		
	350W ATX PFC AutoSw. 100-240V AC	350W ATX PFC AutoSw. 100-240V AC
Industrial Motherboard		
Motherboard	Commell P4LA	Commell P4LA
CPU	Celeron D or Pentium 4 3.2GHz	Core2 Duo 1.6GHz - 2.0GHz
Memory	512MB - 3GB DDR2 400/533/667	512MB - 8GB DDR2 400/533/667
Graphics	Intel On-board Extreme graphics	Intel On-board Extreme graphics
EIDE/SATA	1 x EIDE, 4 x SATA II (RAID 0,1,5,10)	1 x EIDE, 4 x SATA II (RAID 0,1,5,10)
Network	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
I/O ports (rear)	VGA,LAN,COM1,4xUSB,Audio,LPT1,kbd&mse	VGA,LAN,COM1,4xUSB,Audio,LPT1,kbd&mse
Optional I/O ports (rear)	5xRS232 ports(COM2-COM6),1xIrDA	5xRS232 ports(COM2-COM6),1xIrDA
Expansion Slots	3xPCI, 3xPCI-express(x16,x4,x1), 1xISA	3xPCI, 3xPCI-express(x16,x4,x1), 1xISA
Miscellaneous	On-board Watchdog Timer	On-board Watchdog Timer
Drives		
Floppy Drive	3.5" 1.44MB	3.5" 1.44MB
CD/DVD	CD/DVD Writer	CD/DVD Writer
Hard Drive	3.5" 80GB - 1TB	3.5" 80GB - 1TBB
Operating Conditions		
Temperature (operating)	0 to 50 degrees	0 to 50 degrees
Temperature (non-operating)	-20 to 60 degrees	-20 to 60 degrees
Humidity (non-condensing)	10 - 90%	10 - 90%
Shock (operating)	10G	10G
Shock (non-operating)	30G	30G
MTBF		
	>50,000 hrs	>50,000 hrs
Physical Characteristics		
Dimensions (W x H x D) mm	482 x 177 x 478 (W x H x D)mm	482 x 177 x 478 (W x H x D)mm
Weight (kg)	20kg	20kg

Dimensions

101.6 [4.0]

426 [16.8]

426 [16.8]
465 [18.3]
482 [19.0]

177 [7.0]

92 [3.6] 92 [3.6] 92 [3.6] 86 [3.4]

12 [0.5]

477.4 [18.8]

486.7 [19.2]

Unit: mm (inch)

Power LED
HDD LED
USB
PS/2 keyboard connector

Power status

Two replaceable 85-CFM cooling fans

Easily replaceable fan filter

System reset switch
Power switch

Three 5.25" drive bays

One 3.5" drive bay

Rear View

Ordering Information

Each IPC-610HM is configured to meet the customers specifications and given a unique part number. Typical configurations are shown below:

Part Number	Description
IPC-610HM-408A3-906000 Basic System	IPC-610HM with 350W PSU, Celeron D 3.2GHz, 512MB memory, CD/DVD writer, 80GB SATA II Hard Drive, 1.44MB Floppy Drive, No Operating System and finished in RAL7032.
IPC-610HM-40884-A06700 Intermediate	IPC-610HM with 350W PSU, Pentium 4 3.2GHz processor, 1GB memory, CD/DVD writer, 160GB SATA II Hard Drive, 1.44MB Floppy Drive, XP Pro and finished in RAL7032.
IPC-610HM-40876-CC6700 High Power System	IPC-610HM with 350W PSU, Core2 Duo 2.0GHz processor, 3GB memory, CD/DVD writer, Dual 500GB SATA II Hard Drives, 1.44MB Floppy Drive, XP Pro and finished in RAL7032.