

IPC-2000M

2U Rackmount PC System with Industrial ATX Motherboard



Features

- Industrial ATX Motherboards available with processors from low power Celeron D to high-speed Core2 Duo with memory up to 3GB
- Shock resistant drive bays hold 1 x 5.25" CD/DVD drive, 1 x 3.5" FDD and two internal 3.5" HDDs.
- Lockable front door prevents unauthorised access to switches & drives
- Front-accessible USB, keyboard/mouse port and alarm indication
- Supports up to 3xPCI slots, 3xPCI-express slots(x16,x4,x1) & 1xISA
- 300 watt ATX PFC autoswitching PSU (100 -240V AC)
- SATA-II HDDs with RAID support
- Alarm indication of power supply failure, fan failure or overtemperature
- Customisable to suit most applications (e.g colour, I/O ports etc.)

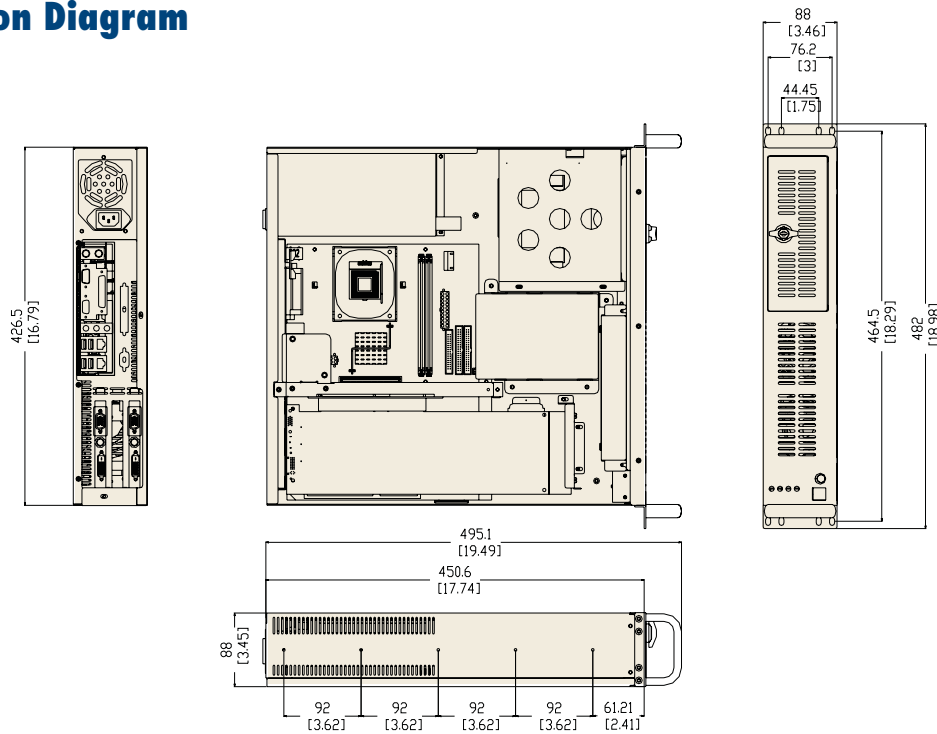
Description

The IPC-2000M 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 industrial control & monitoring systems. The unit uses an Industrial ATX Motherboard which supports processors from Celeron D to high-speed Core2 Duo, it has a front accessible CD/DVD writer & FDD and has space for 2 internal SATA II hard drives from 80 - 750GB each. Expansion includes 3xPCI slots, 3xPCI-express slots(x16,x4,x1) and 1xISA slot. The IPC-2320M has a wide range of I/O ports and can be customised to suit specific applications.

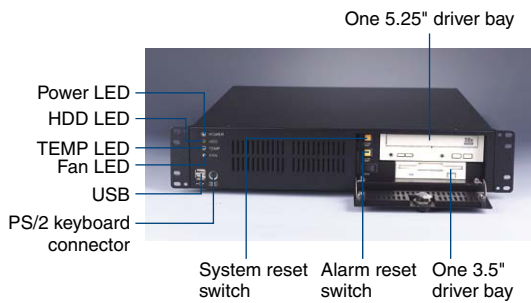
Specifications

	Celeron D/Pentium 4	Core2 Duo
Chassis	ACP-2000MB	ACP-2000MB
Drive Bays (external)	1 x 5.25 + 1 x 3.5"	1 x 5.25 + 1 x 3.5"
Drive Bays (internal)	2 x 3.5"	2 x 3.5"
I/O ports (front)	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
I/O ports (rear)	Spare 9-way D opening	Spare 9-way D opening
Cooling	2 x 47 CFM fans, front removable filter	2 x 47 CFM fans, front removable filter
Power Supply	300W ATX PFC AutoSw. 100-240V AC	300W 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 - 3GB 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" 80 - 750 GB (max. of 2 internal)	3.5" 80 - 750 GB (max. of 2 internal)
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 88 x 450 mm	482 x 88 x 450 mm
Weight (kg)	15kg	15kg

Dimension Diagram



Unit: mm (inch)



Rear view of IPC-2000M



Motherboard allocation

Each IPC-2000M is configured to meet the customers specifications and given a unique part number. Typical configurations are shown below:

Part Number	Description
IPC-2000M-408A3-906010 Basic System	IPC-2000M with Celeron D 3.2GHz, 512MB memory, CD/DVD writer, 80GB SATA II Hard Drive, 1.44MB Floppy Drive, No Operating System and finished in Black.
IPC-2000M-40884-A06710 Intermediate	IPC-2000M with Pentium 4 3.2GHz processor, 1GB memory, CD/DVD writer, 160GB SATA II Hard Drive, 1.44MB Floppy Drive, XP Pro and finished in Black.
IPC-2000M-40876-CC6710 High Power System	IPC-2000M with 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 Black.