

IPC-610F

4U 14-slot Rackmount PC System



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)
- 4U Chassis supports 14 slot Passive Backplane
- Shock resistant drive bay holds 3x5.25" & 2x3.5" drives (1x3.5" is internal)
- 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
- Operating System pre-installed



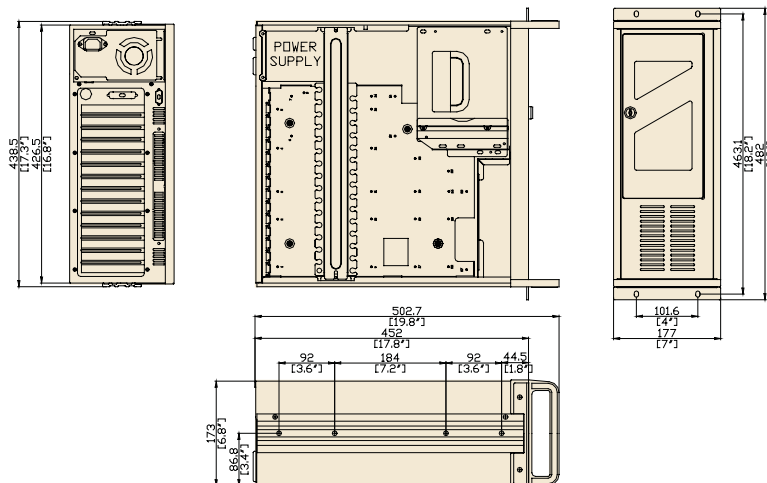
Description

The IPC-610F 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 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. 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-610F 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 |
|---------------------------------|---|---|---|
| Chassis | IPC-610-F | IPC-610-F | IPC-610-F |
| 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 (rear) | Mains I/P, spare 9-way & 25-way D opening | Mains I/P, spare 9-way & 25-way D opening | Mains I/P, spare 9-way & 25-way D opening |
| 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 |
| Power Supply | | | |
| Standard Option | 350W ATX PFC Auto. 100-240V AC | 350W ATX PFC Auto.100-240V AC | 350W ATX PFC Auto. 100-240V AC |
| Backplane Options | | | |
| | 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) |
| | N/A | Optional 64-bit PCI Backplanes | N/A |
| Single Board Computer | | | |
| Processor Card | PCA-6003VE | FS-97AVL/PCA-6189/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 |
| 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) |
| 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 | 482x177x452 (W x H x D) mm | 482x177x452 (W x H x D) mm | 482x177x452 (W x H x D) mm |
| Weight (kg) | 20.0 kg | 20.0 kg | 20.0 kg |

Dimensions



Unit: mm (inch)



Backplane version (Black) Rear View

Ordering Information

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

| Part Number | Description |
|---|--|
| IPC-610F-B8221-204000 Basic System | IPC-610F 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-610F-B9343-404600 Intermediate | IPC-610F 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-610F-BA576-904710 High Power System | IPC-610F 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. |