

IRC-306

6-slot Full-size Industrial Node Chassis (Shoe-box)



IRC-306 is a compact and rugged 6-slot full-size node chassis designed for space limited applications. Its rugged, sturdy, full-sealed and well-cooled steel chassis is specially designed to withstand shocks, dust, humidity, trembling vibration and high operating temperature in the harsh environment.

- ◆ One external 5.25" and 3.5" and one internal HDD drive bays
- ◆ Replaceable air filter for easy cleaning
- ◆ Can be vertically or horizontally mounted, easy to fit into space limited environment
- ◆ One 12cm ball-bearing cooling fan for better ventilation
- ◆ Fan direction changeable
- ◆ Two adjustable positions for hold-down card retainers provide better protection from vibration
- ◆ Both 6-slot ISA and PICMG BP applicable, easy to change to different Backplanes
- ◆ Field replaceable power supply bracket for both normal PS/2 and PS/2 type redundant PSU, easy for defective PSU changing

General

Construction

Heavy-duty steel

Air Filter

One replaceable air filter at the front door

Cooling Fan

One 12cm (86.5cfm) ball-bearing fan

Disk Drive Housing

External: 5.25"x1+3.5" FDDx1

Internal: 3.5" HDDx1

Indicator

LED indicators for HDD and power

On/Off

Switch

One for reset and one for power On/Off with a protection cap

Mounting Bracket

Two brackets for vertical and horizontal mounting

Keyboard Connector

Standard 5-pin AT K/B connector with a cap

Keyboard Connector Cap

One cap for better security

Speaker

One 8 speaker

Standard Color

Beige

Dimension

260(W) x 408(D) x 172(H) mm

10.2"(W) x 16.1"(D) x 6.8"(H)

Weight

Net: 8.5Kg.(18.7 lb)

Gross: 9.5Kg.(20.9 lb)

Backplane

6-slot ISA Backplane

6-slot PICMG (4xPCI) Backplane

6-slot PICMG (3xPCI) Backplane

Power Supply (PW-250)

Maximum Output

250W

Output Voltage & Current

+5V@25A, +12V@10A,

-5V@0.5A, -12V@0.5A

Input Voltage

95 - 130V/190 - 254V selectable

Input Frequency

43Hz - 63Hz

Input Current

8A max./115V, 4A max./230V

Efficiency

Min. 70%

MTBF Reliability

Min. 50,000 hours at 25°C (70°F)

Safety

UL/CSA/TUV/FCC/CE/CB

Environment

Operating Temperature Range

0 to +55°C

Storage Temperature Range

0 to +70°C

Relative Humidity

5 to 95% non-condensing

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Features

- ◆ 5.25" drive space for CD-ROM or mobile rack
- ◆ Replaceable air filter
- ◆ Can be vertically or horizontally mounted
- ◆ Two adjustable positions for hold-down card retainer
- ◆ Both 6-slot ISA and PICMG Backplane are applicable
- ◆ Field replaceable power supply bracket for both normal PS/2 PSU and PS/2 type redundant PSU

Benefits

- ◆ Easy to install software
- ◆ For easy cleaning
- ◆ Easy to fit into different space limited environment
- ◆ Fix all the cards more flexibly and tightly
- ◆ Easy to change to different Backplane and keep stock
- ◆ Easy for maintenance
- ◆ Need only 30 seconds to change the defective PSU module

What's New



Redundant power supply

With a new bracket, a PS/2 or redundant PSU can be installed to enhance reliability.



Can be mounted in different styles

IRC-306's front door can be changed for either vertical or horizontal installation.



Dual card retainers

It has two positions for card clamps to hold both PCI and ISA cards tightly.

Ordering Guide

IRC-306-06I-25

6-slot full-size industrial node chassis with 6-slot ISA Backplane and 250W power supply

IRC-306-06P4-25

6-slot full-size industrial node chassis with 6-slot 4xPCI Backplane and 250W PSU

IRC-306-06P3-25

6-slot full-size industrial node chassis with 6-slot 3xPCI Backplane and 250W PSU

Engineering Drawing

