

# IRC-308

## 8-slot Full-size Industrial Node Chassis (Shoe-box)



IRC-308 is a compact and rugged 8-slot full-size node chassis designed for space limited application. Its rugged, sturdy, full-sealed and well-cooled steel chassis is specially designed to withstand shocks, dust, humidity, trembling vibration and extremely operating temperature in the harsh environments.

- ◆ 5.25" drive space for CD-ROM or mobile rack, easy to install software and mirror disk (RAID1)
- ◆ Replaceable air filter for easy cleaning
- ◆ Fan direction changeable
- ◆ Can be vertically or horizontally mounted, easy to fit into space limited environment
- ◆ One 12cm ball-bearing cooling fan for better ventilation
- ◆ Two adjustable positions for hold-down card retainers provide higher flexibility to fix all the cards tightly
- ◆ Both 8-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"x2+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, black

#### **Dimension**

330(W) x 408(D) x 172(H) mm  
13"(W) x 16.1"(D) x 6.8"(H)

#### **Weight**

Net: 9kg (19.8lb)  
Gross: 10kg (22lb)

#### **Backplane**

8-slot ISA Backplane  
8-slot PICMG (4xPCI) Backplane  
8-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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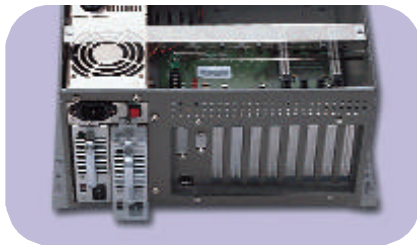
### Features

- ♦ 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 8-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 and mirror disk (RAID 1)
- ♦ 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 security.



#### Can be mounted in different styles

IRC-308'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-308-08I-25

8-slot full-size industrial node chassis with 8-slot ISA Backplane and 250W power supply

#### IRC-308-08P4-25

8-slot full-size industrial node chassis with 4xPCI Backplane and 250W power supply

#### IRC-308-08P4-30X

8-slot full-size industrial node chassis with 4xPCI Backplane and 300W ATX power supply

#### IRC-308-08P3-25

8-slot full-size industrial node chassis with 3xPCI Backplane and 250W power supply

### Engineering Drawing

