

# IRC-850

19" 5U rack-mount CTI chassis with 10 drive bays



## FEATURE

- 8x5.25" + 1x3.5" (or 1xNB CDROM+ 1xNB FDD) drives for RAID
- Three hot-swappable cooling fans for better ventilation
- Detachable card cage for ease of installation and maintenance
- Two card retainer positions
- Modularized function panel for systems
- One power on/off switch protection cap and touch-free reset switch for secure access
- 600W+200W N+1 redundant power supply, suitable for fullloading CTI applications



▲ Top view of IRC-850

## General

|                             |                                                                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Construction</b>         | Heavy-duty steel with 8 mm aluminum front panel                                                                                                                                                                                           |
| <b>Drive Bay</b>            | 5.25" x8 + 3.5" x1 (or NB CD-ROMx1, NB FDDx1)                                                                                                                                                                                             |
| <b>Card Retainer</b>        | Two locations for one card retainer                                                                                                                                                                                                       |
| <b>Cooling Fan</b>          | Three 12 cm hot swappable ball-bearing fans                                                                                                                                                                                               |
| <b>Indicator</b>            | HDD x2                                                                                                                                                                                                                                    |
| <b>Switch</b>               | Power on/off (with a protection cap) x1, System reset x2, PSU fault alarm reset x1                                                                                                                                                        |
| <b>Redundant PSU Signal</b> | Module x1, Alarm x1, Beep reset x1                                                                                                                                                                                                        |
| <b>Connector</b>            | One 6-pin PS/2 K/B connector on the front panel with a cap                                                                                                                                                                                |
| <b>Standard Color</b>       | Beige, Black                                                                                                                                                                                                                              |
| <b>Dimension</b>            | 482(W) x 673(D) x 220(H) mm; 19"(W) x 26.5"(D) x 8.7"(H)                                                                                                                                                                                  |
| <b>Weight</b>               | Net: 25 kg (55 lb); Gross: 27 kg (59.4 lb)                                                                                                                                                                                                |
| <b>Backplane</b>            | PBP-20I: 20-slot ISA backplane<br>PBP19AI: 19-slot (18xPCI) active PICMG backplane<br>PBP19AC: 19-slot (12xPCI) active PICMG backplane<br>PBP19P4: 19-slot (4xPCI) active PICMG backplane<br>PBP18D4: 18-slot dual-system PICMG backplane |

## Power Supply (ORION-3001PY optional)

|                                     |                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------|
| <b>Maximum Output</b>               | 600W                                                                                 |
| <b>Output Voltage &amp; Current</b> | +5V@60A, +12V@20A, +3.3V@48A, -5V@1.5A, -12V@3A, +5Vsb@1.5A, +12V& +3.3V (max. 580W) |
| <b>Input Voltage</b>                | 90V ~ 132V, 180V ~ 264V AC selectable                                                |
| <b>Input Frequency</b>              | 47 ~ 63 Hz                                                                           |
| <b>Input Current</b>                | 15A@115V, 8A@230V                                                                    |
| <b>Efficiency</b>                   | > 65%                                                                                |
| <b>MTBF Reliability</b>             | 100,000 hrs                                                                          |
| <b>Certification</b>                | UL, CSA, TUV, FCC, CE                                                                |

## Environment

|                                    |                          |
|------------------------------------|--------------------------|
| <b>Operating Temperature Range</b> | 0 to +40°C               |
| <b>Storage Temperature Range</b>   | 0 to +70°C               |
| <b>Relative Humidity</b>           | 5% to 95%, non-condensin |

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| FEATURE                                                                        | BENEFITS                                                                                                            |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Modularized function panel for two systems                                     | For installing multiple systems and redundant power supply more easily                                              |
| One power on/off switch protection cap and two touch-free reset switches       | Avoid accidental reset of system                                                                                    |
| Detachable card cage for ease of installation and maintenance                  | Convenient for system integration                                                                                   |
| Two adjustable positions for hold-down card retainers                          | For fixing all the cards more flexibly and tightly                                                                  |
| Three 12 cm hot-swappable ball-bearing cooling fans                            | The best ventilation to provide the system with higher reliability                                                  |
| Enhanced drive bracket to hold 8x5.25" + 1x3.5" drives                         | For integrating varied systems and RAID & CD-ROM drives with higher flexibility                                     |
| Changeable modularized back panel for 20-slot ISA & PICMG backplane or ATX M/B | Flexible choice and easy to upgrade architecture to satisfy most of the current and future application requirements |
| 600W+200W N+1 redundant power supply for non-stop computing                    | Suitable for full-loading CTI applications                                                                          |

## WHAT'S NEW



### Detachable card cage

IRC-850 is equipped with a detachable card cage for ease of card installation. With this cage, it is convenient to link the cables between CPU card and devices.



### Replaceable back panel

Simply changing the modularized back panel, different 20-slot backplanes or ATX motherboards can be installed into IRC-850.



### 600W N+1 redundant PSU

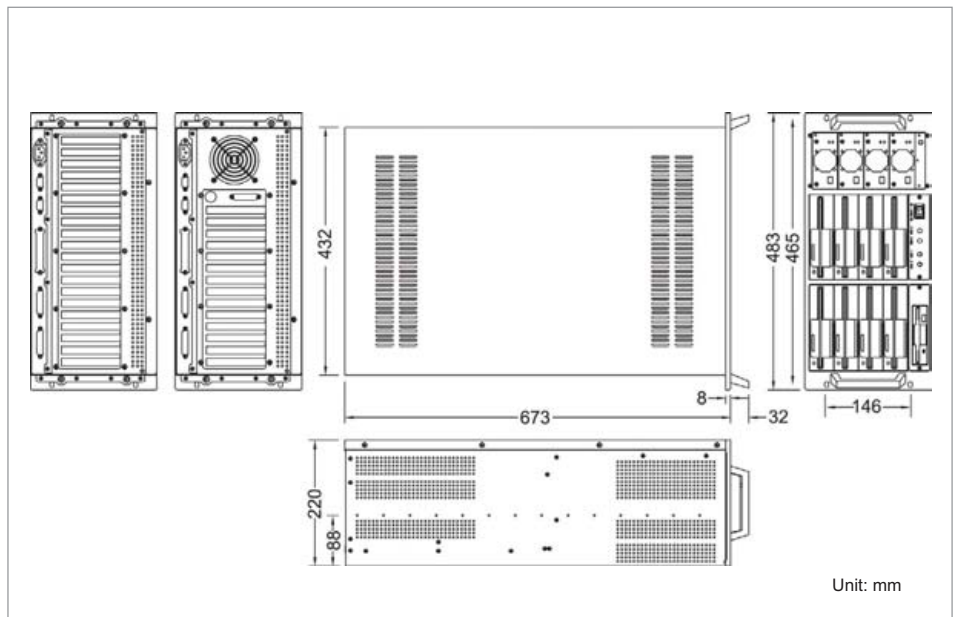
To meet the power requirement of CTI system, IRC-850 is equipped with N+1 redundant power supply for on-stop operation.



### Hot-swappable fan module

IRC-850 is equipped with three hot-swappable fan modules for ease of maintenance.

## ENGINEERING DRAWING



## ORDERING GUIDE

### IRC-850-19P4-2004

19" 5U rack-mount chassis of 8x5.25" drives with 19-slot (4xPCI) PICMG backplane and 600W+ 200W N+1 redundant Auto-range ATX power supply

### IRC-850-19AC-2004

19" 5U rack-mount chassis of 8x5.25" drives with 19-slot (12xPCI) PICMG backplane and 600W+ 200W N+1 redundant Auto-range ATX power supply

### IRC-850-MX-2004

19" 5U rack-mount chassis of 8x5.25" drives for ATX M/B with 600W+ 200W N+1 redundant Auto-range ATX power supply