

IRC-850

19" 5U Rack-mount CTI Chassis with 10 Drive Bays



- ◆ 8x5.25"+1x3.5" (or 1xNB CD-ROM+1xNB FDD) drives for RAID
- ◆ 3 hot-swap cooling fans for better ventilation
- ◆ Detachable card cage for easy installation and maintenance
- ◆ Dual card retainer positions
- ◆ Modularized function panel for one, dual or quad systems
- ◆ Power On/Off switch protection cap and touch free reset switch for secure access
- ◆ 800W (600W+200W) N+1 redundant PSU, suitable for full-loading CTI applications
- ◆ Modularized back panel, 20-slot BP, baby-AT & ATX M/B applicable, especially for big-AT size M/B

IRC-850 is an advanced 19" 5U Industrial rack-mount chassis specially for CTI (Computer Telephony Integration) and fault tolerant server applications. Built with eight 5.25" drive bays (for RAID) and a 800W (600W+200W) N+1 redundant PSU, it provides reliable power source to the system and non-crash storage to the application.

Its rugged and detachable card cage is designed for easy installation and three 12cm hot-swap cooling fan for better ventilation. The ways to prevent high temperature from new high-frequency CPUs and to expand the system functionality within a limited space are important for heavy-loading CTI & new servers to get the best reliability.

General

Construction

Heavy-duty steel with 8mm aluminum front panel

Cooling Fan

Three 12cm hot swap ball- bearing fans

Disk Drive Housing

5.25"x8+3.5"x1 (or NB CD-ROMx1+NB FDDx1)

Card Retainer

Two locations for one card retainer

PSU Bracket

Replaceable module for PS/2 or PS/2 redundant PSU

Function Panel

Modularized function panel for one or dual systems

Back Panel

Replaceable module for 20-slot BP or ATX/Baby AT M/B

Redundant PSU Signal

1xModule+1xAlarm+1xBeep Reset

Standard Color

Beige, black

Dimension

482(W) x 673(D) x 220(H) mm
19"(W) x 26.5"(D) x 8.7"(H)

Weight

Net: 25kg (55lb)
Gross: 27kg (59.4lb)

Backplane

20-slot ISA BP
20-slot PICMG 4-system BP
19-slot PICMG 18xPCI active BP
19-slot PICMG 12xPCI active BP
19-slot PICMG 4xPCI BP
18-slot PICMG dual-system BP

Power Supply (ORION-2004)

Maximum Output

800W

Output Voltage & Current

+5V@60A, +12V@24A,
+3.3V@48A, -5V@1.5A
-12V@3A, +5V, +12V&+3.3V (max. 550W)

Input Voltage

90 - 132V/180 - 264V selectable

Input Frequency

47Hz - 63Hz

Input Current

15A max./115V, 8A max./230V

Efficiency

Min. 70%

MTBF Reliability

Min. 50,000 hours at 25°C (70°F)

Safety

UL/TUV/FCC/CE

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	Benefits
◆ 19" 5U rack-mount chassis meets EIA RS-310C standard	◆ Easy to fit in a 19" cabinet from different vendors
◆ Modularized function panel for one, dual, quad systems	◆ Easy for installing multiple systems and redundant PSU
◆ ON/OFF switch protection cap and touch-free reset switch	◆ Avoid accidental reset of system
◆ Detachable card cage for easy installation and maintenance	◆ Convenient for system integration
◆ Two adjustable positions for hold-down card retainers	◆ Fix all the cards more flexibly and tightly
◆ Three 12cm hot-swap ball-bearing cooling fans	◆ The best ventilation to provide higher system reliability
◆ Enhanced drive bracket to hold 8x5.25" + 1x3.5" drives	◆ More flexible to integrate varied systems with RAID & CD-ROM drives
◆ Changeable modularized back panel for 20-slot ISA & PICMG BP or ATX M/B	◆ Flexible choice and easy upgrade of architecture to satisfy most current and future application requirements
◆ 800W (600W+200W) N+1 redundant PSU 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 to ease card installation. With this cage, it is convenient to link the cables between CPU cards and devices.



Replaceable back panel

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



800W N+1 (600W redundant) PSU

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

Ordering Guide

IRC-850-19P4-2004

19" 5U rack-mount chassis of 8x5.25" drives with 19-slot PICMG Backplane and 600W+ 200W N+1 redundant Auto-range ATX PSU

IRC-850-19AC-2004

19" 5U rack-mount chassis of 8x5.25" drives with 19-slot PICMG (12 x PCI) Backplane and 600W+ 200W N+1 redundant Auto-range ATX PSU

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 PSU

◆ **Special model for SPARC system board is also ready for OEM customers**



▲ Top View of IRC-850