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Find the *I-Bus / Phoenix nFUZION 8U/HP* at our website: ***Click HERE***

C0814

14-Slot CompactPCI® Platform



The C0814 is the first I-Bus enclosure to feature our fail-safe OptiCool™ design

Ordering Information

C0814
8U, 14-slot CPCI enclosure with 4-drive bay

Power Subsystem Options

PSU-AC
Four 200W N+1 AC power supplies

PSU-DC
Four 200W N+1 -48VDC power supplies

Control & Monitoring Options

IBC-2501
Chassis Management Controller, IPMI v.1.0 compliant Module.

Specifications

Dimensions
8U Height
- 14" x 17.1" x 12" (hwd)
- 356 x 434 x 304 mm

Enclosure
- 14-slot card area
- 4 SCA SCSI vertical drive bays
- 4 power supplies
- 2 Rear power input bays
- ESD grounding locations (front & rear)
- Alarm panel used with optional Chassis Management Controller (CMC)
- Front power switch
- Designed to meet NEBS/ETSI standards

Systems
Available as systems using:
- IBC 2600, 2601 & 2801 PIII based SBCs
- CP 1500, 20xx SPARC based SBC
- Windows NT & 2000, Solaris and Linux operating systems

Backplane
- Integrated 14-slot backplane
- Supports one-slot system master (slot#1)
- 13 full hot-swap I/O slots
- 13-slot continuous H.110 backplane
- Rear low-profile pallet bridge between slots 7&8
- Dual power input connectors

Drive Expansion
- Four SCSI SCA drive shuttles
- Drives Hot-swap from front
- Rear external SCSI connector and terminator

Fail-Safe OPTICOOL™ Cooling
- Patented push-mix-pull cooling technology
- 8 + 2 fan, hot-swap cooling array in air intake
- Patented air flow mixing and directing tray
- 3 individually hot-swap blowers
- Optional blower and fan speed control with I-Bus CMC

Power Supply Subsystem
- Four Hot-swap redundant power supplies
- N+1 Redundant (N=3) 200W supplies
- Input Voltage: 90-132/180-250 VAC auto-ranging, Optional -48VDC
- Output Power: +3.3V@30A, +5V@25A, +12V@6A, -12V@0.5A (each supply)
- Combined power of +5 and +3.3V not to exceed 35A total per supply

Operating Environment
- Temperature: 0 to 40° C
- Humidity: 5% to 85% @40°C (non-condensing)
- Shock: 10g @11mS
- Vibration: 0.25G @2-100Hz, 1.5g@100-500Hz

Standards Compliance
- PICMG 2.0 R 3.0, PICMG 2.1 R 2.0, PICMG 2.5 R 1.0, PICMG 2.9 R1.0, PICMG 2.10 R 1.0, PICMG 2.11 R 1.0,
- ESD: CE
- EMI: CE, FCC, UL/CUL
- Safety: UL/CUL, CE, CB
- NEBS

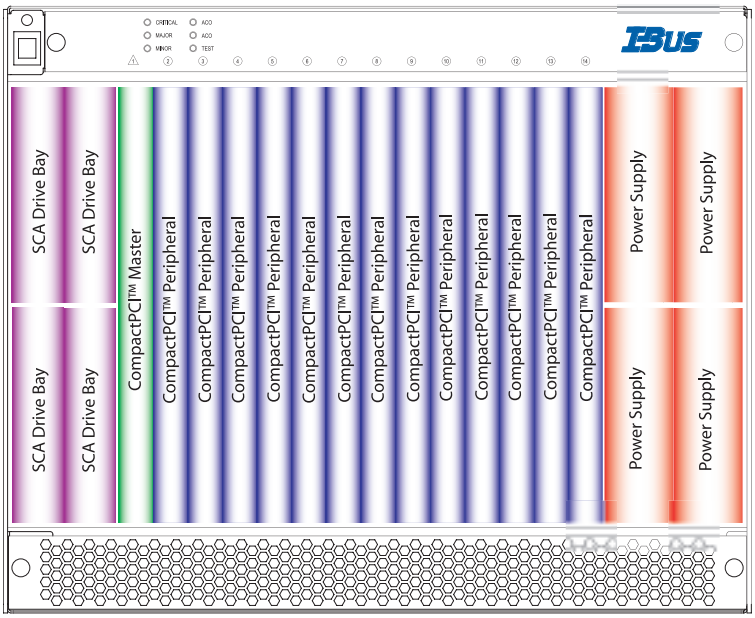
C0814

14 Slot CompactPCI® Platform

The state-of-the-art C0814 CompactPCI platform is the highest density CompactPCI based system platform on the market today, and the first to employ I-Bus patented Fail-Safe OptiCool™ technology. In 8U of space, the C0814 boasts high availability features to cater to the "five nines" requirements of the communications, network, broadcast and medical OEM. All critical modules on the C0814 are easily accessible and fully hot-swap. The C0814 supports full I/O card hot-swap to PICMG 2.1 R2.0, a 4 SCA hot-swap SCSI disk array and N+1 redundant hot-swap power supplies.

In 8U the most critical component is the cooling. I-Bus continues to lead the CompactPCI market with the patented Fail-Safe OptiCool™ method of push-mix-pull cooling. Fail-Safe Opticool incorporates a unique lower hot-swap fan array that takes advantage of the axial direction of the fans to most efficiently pressurize the air at the bottom of the chassis. The unique mixing tray can be tuned to mix the intake air, redirect the air upward and distribute the air to where it is needed most, even in the event of a single fan failure. To direct the air through the cards, drives and power supplies, three individually hot-swap blowers pull the low pressure air upward and direct it toward the rear of the chassis. Optimization of cooling, noise and blower life expectancy is achieved with the addition of the optional I-Bus Chassis Management Controller (CMC), which provides independent speed control for the individual blowers and the fan array. The CMC is added in its dedicated slot at the rear of the chassis.

With all of these high-availability features, the C0814 excels in applications requiring small size, optimal cooling, high density and the highest levels of reliability, ensuring the greatest level of application availability. Additional features include a 14-slot CPCI/H.110 backplane, full rear I/O module support, front to back airflow, NEBS compliance and the I-Bus standard warranty. Combine the C0814 with the IBC series of award winning single board computers, fully compliant PICMG 2.12 R1.0 hot-swap middleware, Linux, Solaris and Windows HA middleware as well as our extensive list of third party application cards for a truly application ready platform.



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