

# Continuon™ 8U/CP

## 8U **CompactPCI®** Platform w/ Dual Low Power Pentium III SBC



### Ordering Information

#### Continuon™ 8U/CP

##### Standard Configuration includes :

- C0814D 8U System Platform
- IBC2801 Dual PIII SBC & Rear I/O
- Low Power Intel® 800MHz PIII Processors
- 256MB ECC SDRAM

- Additional IBC2802 Computing Blades

##### Power Subsystem Options

#### PSU-AC

Four 200W N+1 AC power supplies

#### PSU-DC

Four 200W N+1 -48VDC power supplies

#### PIM-AC

Redundant AC isolated input modules

#### PIM-DC

Redundant DC isolated input modules

#### PIM-UPS

AC input module and an embedded UPS kit

##### Control & Monitoring Options

#### IBC-2501

Chassis Management Controller, IPMI v.1.0 compliant Module.

##### Memory & Drive Options

From 128MB to 1 GB DDR SDRAM

From 18 GB to 36GB SCA drives

#### IBC 2703-RIO

Rear I/O transition module for 280X with 1.8" hard drive socket

#### IBC 16010 - Storage Mezzanine Board for

280x with 1.8" hard drive socket and CompactFlash socket

##### CompactFlash Options

32, 64, 128 or 256 MB CompactFlash

or

1GB Microdrive



### Specifications

#### Chassis

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

#### IBC 2801 SBC

- Single or dual Low Power Pentium III Processors at up to 933 MHz
- Micron® Copperhead™/Coppertail™ Chipset
- Up to 2 GB of DDR DRAM at 266 MHz
- 512 Kbytes Integrated Full speed L2 cache
- Award BIOS
- 32-bit PMC Expansion cPCI Bus Master
- Dual 10/100BaseTx Ethernet Intel® 82559
- Ultra 160 SCSI, LSI 53C1000
- PICMG® 2.16 compatible pin-outs w/ RIO
- 69030 PCI Video with 4MB Memory
- Dual ATA 100 IDE Interface
- Optional CompactFlash
- Single PC Compatible USB port
- Floppy drive interface, up to 2 drives
- Dual 16C550 Serial Ports
- Bi-directional Parallel Port with EPP and ECP
- PS/2 Mouse Port and PS/2 Keyboard Interface
- 1-Slot (4HP) x 6U **CompactPCI®** Compliant
- **CompactPCI®** Compliant Rear I/O Board

#### Peripheral Processors

- IBC 2802, dual Low power Pentium III SBC
- Dual 10/100BaseTx Ethernet Intel® 82559ER
- Dual 1000BaseT Ethernet, Intel 82546EB
- 69030 AGP Video with 4MB Memory
- Optional CompactFlash or Microdrive
- Up to 2 GB of DDR DRAM at 266 MHz

#### 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
- Dual feed power inputs
- 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

#### Power Input Subsystem

- Dual redundant AC or DC input modules
- 10 millisecond failover time
- 3Ux 80mm deep each module
- Single AC input with embedded UPS option

#### 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



## Continuon™ 8U/CP

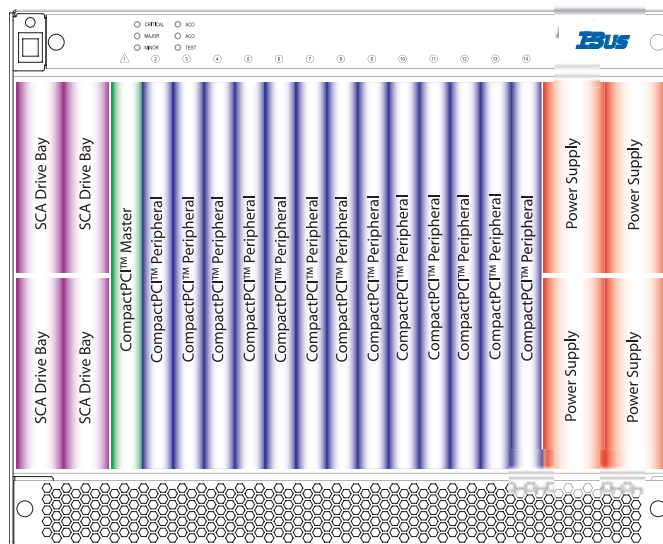
### 8U CompactPCI® Platform w/ Dual Low Power Pentium III SBC

The state-of-the-art **Continuon™ 8U/CP** 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, all critical modules are easily accessible and fully hot-swap. It supports full I/O card hot-swap to PICMG 2.1 R2.0, a 4 SCA hot-swap SCSI disk array, N+1 redundant hot-swap power supplies, and patented redundant, hot swap power input modules.

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.

Additional features include a 14-slot CPCI/H.110 backplane and NEBS compliance.

The **Continuon™ 8U/CP** is one of the Premier High Availability solutions that provides better than industry-average CompactPCI systems on the market.



### For Further Information



Worldwide Headquarters  
 I-Bus Corporation  
 3350 Scott Blvd, Building 54  
 Santa Clara, CA 95054  
 United States  
 Phone : +1 (408) 450-7880  
 Fax : +1 (408) 450-7881  
**Toll Free: 877-777-IBUS**  
 Email: contact.us@ibus.com

European Headquarters  
 I-Bus UK Ltd  
 Unit 6, Chichester Business Park  
 City Fields Way, Tangmere  
 West Sussex, PO20 2LB, UK  
 Tel: +44 (0) 1243 756300  
 Fax: +44 (0) 1243 756301  
 Email: contact.uk@ibus.com

France, Italy  
 I-Bus France  
 B.P 45 Valbonne  
 06901 Sophia Antipolis CEDEX  
 France  
 Tel: +33 (0) 493 004 360  
 Fax: +33 (0) 493 004 369  
 Email: contact.fr@ibus.com