

Continuon™ 8U/DCP

2-Node Cluster Server High Availability System Platform



Ordering Information

Continuon™ 8U/DCP

Standard Configuration includes :

- C0877 8U System Platform
- Two IBC2801 Dual PIII SBC & Rear I/O
- Dual Low Power Intel® 800MHz PIII Processors
- 256MB ECC SDRAM

Options

IBC2802

Dual Low Power Pentium III Peripheral Master board

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

Operating System and Middleware option

- Linux 7.2 and Continuous Computing UpSuite
- Windows 2000 Advanced Cluster Server

Specifications

Chassis

- 8U Height
- 14" x 17" x 12" 356 x 432 x 305 mm (hwd)

Two IBC 2801 SBCs, each featuring :

- 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. Watchdog Timer
- 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

Enclosure

- 7+7-slot card area, 4 SCA drive bays, 4 PSU
- Alarm panel used with optional Chassis Management Controller (CMC)

Drive Expansion

- Removable drives from front
- Rear external SCSI connectors

Backplane

- Integrated 7+7-slot H.110 backplane
- 6 available full hot-swap I/O slots each segment

Fail-Safe OPTICOOL™ Cooling

- Patented push-mix-pull cooling technology
- 8 fan lower hot-swap fan array in air intake
- 3 upper individually hot-swap blowers

Power Subsystem

- 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@5.5A, -12V@0.5A (each supply)
- Power is shared across both card segments

Operating System and High Availability Middleware

- Linux 7.2 and Continuous Computing UpSuite
- Windows 2000 Advanced Cluster Server

Operating Environment

- Temperature: 0 to 40° C
- Short term (30 min.) -5° to 55° C
- Humidity: 5% to 85% @40°C (non-condensing)
- Shock: 2.5G @10mS
- Vibration: 0.25G @2-100Hz

Standards Compliance

- PICMG 2.0 R3.0, PICMG 2.1 R2.0, PICMG 2.3 R1.0, PICMG 2.5 R1.0, PICMG 2.9 R1.0, PICMG 2.10 R1.0
- ESD: CE
- EMI: CE, FCC, UL/CUL
- Safety: UL/CUL, CE, CB



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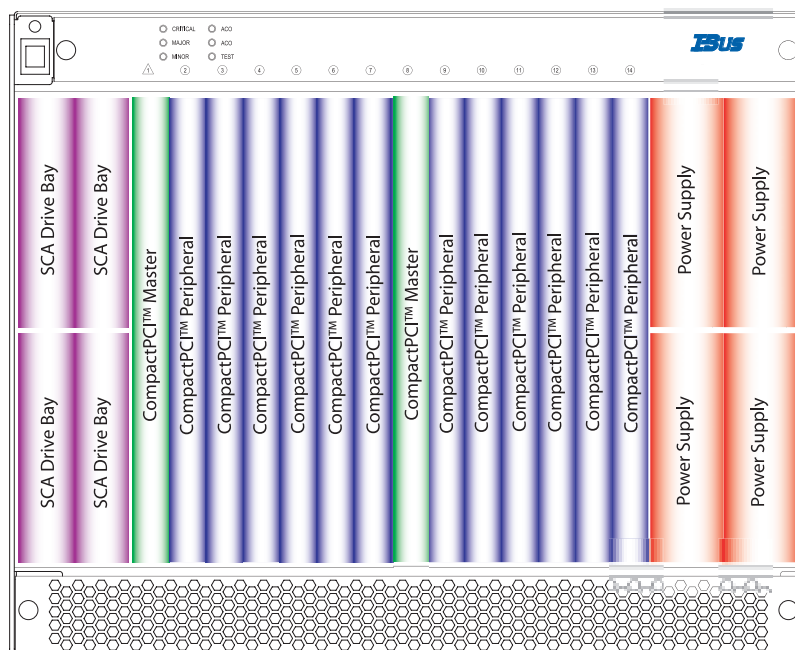
2-Node Cluster Server High Availability System Platform

The state-of-the-art **Continuon™ 8U/DCP** CompactPCI platform is a Dual Node Cluster Server 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.

The **Continuon™ 8U/DCP** scalable and highly-maintainable platform includes:

- I-Bus designed and manufactured 8U, Dual Node (7+7) CompactPCI Enclosure for revision control and OEM/VAR branding
- I-Bus Dual Low Power Pentium III long life cycle SBC for maximum OEM project life
- Up to 4 optional hot-swap, SCA SCSI hard drives supporting RAID, thereby increasing data density and availability
- N+1 (N=3) 200W power supplies for increased availability
- Red Hat Linux and Windows 2000 Advanced Server Operating System support
- upSuite HA clustering middleware
- Global sales, support, manufacturing and agency approvals

The **Continuon™ 8U/DCP** features world-class design in an Application-ready platform with full built-in redundancy for High-end applications.



[For Further Information](#)



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