

Continuon™ 8U/ES

8U 14-slot **CompactPCI®** Sparc Netra™ Blade Platform



Ordering Information

Continuon™ 8U/ES

Standard Configuration includes :

- C0814D 8U System Platform
- CP20xx or CP1500 SBC & Rear I/O
- Sparc Processor
- 256MB ECC SDRAM
- Additional CPxxxx 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

Memory Options

SDM-64MB	64MB RAM
SDM-128MB	128MB RAM
SDM-256MB	256MB RAM
SDM-512MB	512MB RAM
SDM-768MB	768MB RAM

Control & Monitoring Options

IBC-2501

Chassis Management Controller, IPMI v.1.0 compliant Module.

Operating System Options

- Sun Solaris™

Misc

- Dual 400W AC or DC Power Supplies
- UK, European or IEC Power Cords

Specifications

Chassis

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

Sun Netra™ CP 2060 SBC

- 500MHz Ultra SPARC™ IIe 64-bit processor
- Solaris 8 CD 6 Operating System
- Integrated 4-way 256KB L2 cache
- 512MB soldered on board ECC RAM
- 1MB on-board boot flash, 4MB user programmable flash memory
- Sun Microcontroller, IPMI interface
- One PMC 32 bit 33MHz available
- Two RS-232C asynchronous serial ports
- Two USB ports
- Two 10/100 Mb/sec. Ethernet Interfaces
- Ultra-2 SCSI PMC with Rear I/O
- 1-Slot (4HP) x 6U **CompactPCI®** Compliant
- **CompactPCI®** Compliant Rear I/O Board

Supported SBCs

CP2040, CP2060, CP2080, CP1500

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



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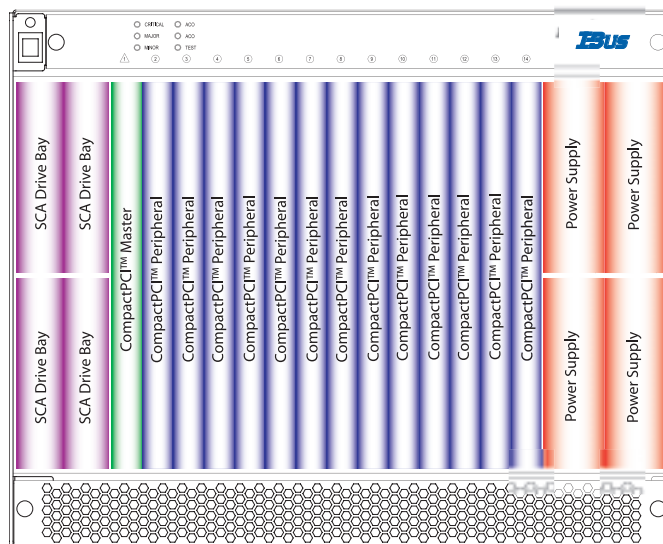
8U 14-slot CompactPCI® Sparc Netra™ Blade Platform

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



For Further Information



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