

8 Slots, 3U CompactPCI Development System



APPLICATIONS

The SY PCI/308 is a 3U CompactPCI® development system for use with 3U CompactPCI boards. This 8 slot system is configured to provide engineers with a practical, high quality development environment for 3U CompactPCI applications. The SY PCI/308 is an EMC enclosure that provides 8 vertically mounted 3U slots on a 32-bit CompactPCI backplane, with a 250W integrated

power supply. To enable fast track development, the system comes pre-installed with a 3U dual-core processor and includes a 2.5" mass storage drive and graphics interfaces. The system uses standard Concurrent Technologies' products allowing easy progression from development to implementation.

HIGHLIGHTS

- 3U CompactPCI® Development System:
 - 8 vertically mounted 3U CompactPCI slots
 - 4HP slot width
 - 32-bit backplane
- CompactPCI backplane provides:
 - 1 x system controller slot (right hand slot)
 - 7 x peripheral slots
- Pre-installed system board:
 - 1 x Intel® Core™ 2 Duo CompactPCI SBC including SATA300 Hard Disk Drive (in system controller slot)
- Pre-installed system I/O features include:
 - 1 x CompactFlash site accessible via front panel
 - CRT and DFP Graphics interfaces
 - 2 x RS232 ports
 - 4 x USB 2.0 ports
 - 2 x Gigabit Ethernet channels
 - 2 x Serial ATA300 channels for external mass storage
- Hot swap compliance
- Embedded 250 Watt modular power supply:
 - 90-264V AC, 47Hz to 63Hz
- System support for Linux®, Windows® Server 2003, Windows® XP, Windows® XP Embedded, VxWorks, LynxOS® and QNX®

Specification

CompactPCI Development System

- 3U CompactPCI® Development System:-
 - 8 vertically mounted 3U CompactPCI slots
 - 32-bit 33MHz backplane
 - cooling air intake at the bottom of the system
 - air exhaust at top of the system
- 5V V(I/O) (33MHz only) CompactPCI backplane provides:-
 - 1 x system controller slot (right hand slot, can accommodate 8HP board)
 - 7 x peripheral slots

System Configuration

- pre-installed system controller board:-
 - 1 x TP 442/342 2.16 GHz Intel® Core™ 2 Duo CompactPCI SBC
 - includes 2.5" SATA hard disk drive
- available slots for CompactPCI development:-
 - 7 x 3U 4HP 32-bit PCI peripheral slots
- hot swap control

TP 442/342 CompactPCI Core 2 Duo

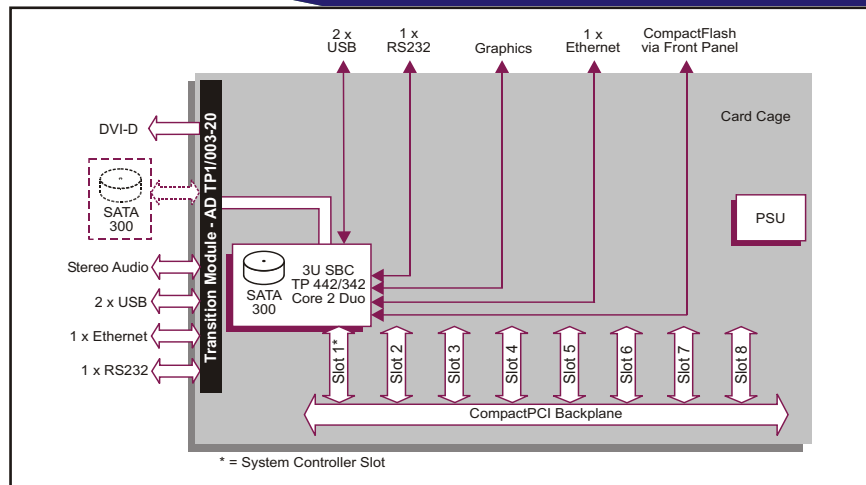
- 3U 8HP (2-slots) CompactPCI SBC:-
 - uses system controller slot and spare slot
- utilizes 2.16 GHz Intel® Core™ 2 Duo processor:-
 - 667 MHz Front Side Bus
 - 4 Mbytes shared L2 on-die cache
 - Intel® 64-bit Technology - 64-bit computing
- 2 Gbytes DDR2-667 SDRAM
- 1 x onboard SATA300 2.5" hard disk drive
- 1 x CompactFlash site accessible via front panel
- 2 x SATA300 channels for external mass storage
- 2 x Gigabit Ethernet channels
- 2 x RS232 interfaces
- 4 x USB 2.0 interfaces
- 2 x graphics interfaces:-
 - analog 2048 x 1535 via front panel
 - digital 1600 x 1200 via rear panel
- stereo audio line input and line output
- Watchdog timer and Long Duration Timer
- PICMG 2.9 R1.0 (System Management Specification)
- PICMG 2.1 R2.0 Hot Swap Compliant

Software Support

- support for Linux®, Windows® Server 2003, Windows® XP, Windows® XP Embedded, VxWorks, LynxOS® and QNX®
- system supplied without operating system

Power Supply

- Integrated 250W modular Power Supply:-
 - +12V output (5.5A max)
 - +5V output (33A max, 0.1A min)
 - +3.3V output (33A max, 0.3A min)
 - rated power 250 Watt
 - AC 90-264V, 47Hz to 63Hz input



Safety

- PCBs (PWB) manufactured with flammability rating of 94V-0

Environmental Specification

- operating temperatures:-
 - +5°C to +40°C (operating)
 - -25°C to +65°C (storage)
- relative humidity, non-condensing:-
 - 10% to 85% (operating)
 - 5% to 85% (storage)

Mechanical Specification

- chassis weight including SBC is less than 10Kg (22lbs)
- chassis dimensions:-
 - total chassis height is 4U
 - 342mm(w) x 190mm(h) x 295mm(d) - with legs folded
 - 342mm(w) x 225mm(h) x 295mm(d) - with legs extended

ORDERING INFORMATION

Order Number Product Description (Hardware)

SY PCI/308-10 3U CompactPCI Development System with 7 CompactPCI peripheral slots, (includes CompactPCI 2.16 GHz Core 2 Duo SBC and 2.5" SATA300 hard disk drive)

