

10 Slot, 10U, PICMG® 2.16 Chassis



APPLICATIONS

This 10 slot, 10U high, chassis is configured to provide engineers with a practical, high performance, high quality development environment for CompactPCI®. The SY PCI/P10 is an EMC enclosure that provides 10 vertically mounted slots, on a PICMG 2.16 backplane, with a

quality power supply and cooling system. Easy access to the peripherals and backplanes is also provided. The system uses standard hardware products allowing easy progression from development to implementation.

HIGHLIGHTS

- EMC enclosure
- 19" rack mountable , 10U high
- 10 slot CompactPCI PICMG 2.16 Packet Switching Backplane:
 - vertically mounted 6U CompactPCI cards
 - 1 x system slot (left hand slot)
 - 7 x peripheral/node slots
 - 2 x fabric slots
- Pre-installed peripherals:
 - EIDE CD-ROM drive
 - EIDE hard disk drive
 - floppy disk drive
- 500 Watt power supply:
 - optional expansion up to 1000 Watts
 - AC 90-264V, 47-63Hz
- Cooling for up to 50 Watts per slot:
 - 300 LFM average airflow

Enclosure

- 10U 19" rack mountable EMC CompactPCI enclosure
- PICMG® 2.16, Packet Switching Backplane
- 10 slot backplane:-
 - 1 x system slot (left hand slot)
 - 7 x peripheral/node slots
 - 2 x fabric slots
- 32/64-bit@33 MHz CompactPCI bus:-
 - 5V V(I/O) option
 - 3.3V V(I/O) option (33MHz only)
- card frame & card guides
- airflow: bottom (front) to top (rear)
- power switch at rear
 - internal power cabling
- 300 LFM average airflow:-
 - cooling for up to 50 Watts per slot
 - dual redundant hot swap fan trays

Power Supply

- 500 Watt power supply:-
 - dual 3U 250W CompactPCI PSUs
 - AC input voltage: 90V - 264V (autosensing)
 - AC input frequency: 47Hz to 63Hz
- maximum output current @ 500W:-
 - +3.3V at 66A^{††}
 - +5V at 66A^{††}
 - +12V at 12A[†]
 - -12V at 3A[†]
- † Combined output power of +3.3V, +5V, +12V and -12V rails must not exceed 500 Watts
- †† Combined load on +3.3V and +5V must not exceed 110A
- optional expansion up to 1000W:-
 - quad 3U 250W CompactPCI PSUs
- power supplies wired for load sharing

Peripherals

- EIDE hard disk drive
- EIDE CD-ROM drive
- floppy disk drive

Physical Dimensions

- 19" rack mountable
- 11.93" (303.0mm) depth
- 10U high

Weight

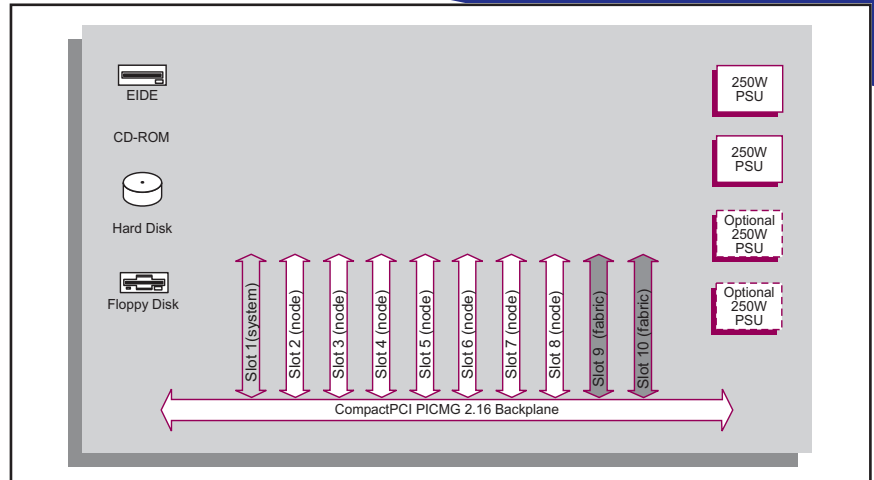
- nominally 45lbs (20.5kg) with 500W power supply

Environmental Specification

- +5°C to +50°C (operating)
- 20% to 80% Relative Humidity, non condensing (operating)
- -20°C to +65°C (storage)
- 10% to 90% Relative Humidity, non condensing (storage)

Safety

- flammability rating UL94-V0
- designed to meet UL60950; CSA 22.2 #234; TUV EN6095
- earthing: ESD Ground Clip designed to comply with earthing requirements of IEEE 1101.11 Section 15, IEC 60950 Section 2, and PICMG 2.5 R1.0



EMC Specification

- designed to meet EMC Directive 89/336/EEC and Standards BS EN55022, BS EN50082-1 and FCC Part 15

Mechanical Specification

- operating shock:-
 - HDD: 15g, 11ms, 1/2 sine
 - CD/DVD: 0.8g vertical, 1.5g horizontal, 11ms, 1/2 sine
 - FDD: 5g, 11ms, 1/2 sine
- non-operating shock:-
 - HDD: 120g, 11ms, 1/2 sine
 - CD/DVD: 50g, 11ms, 1/2 sine
 - FDD: 80g, 11ms, 1/2 sine
- operating vibration:-
 - HDD: 5Hz-500Hz at 0.67g random, 1g swept sine
 - CD/DVD: 5Hz-500Hz at 0.25g from 0-peak
 - FDD: 10Hz-200Hz at 1g
- non-operating vibration:-
 - HDD: 5Hz-500Hz at 3g random, 5g swept sine
 - CD/DVD: 10Hz-500Hz at 1g from 0-peak
 - FDD: 10Hz-100Hz at 2g



ORDERING INFORMATION

Order Number Product Description (Hardware)

SY PCI/P10-10 10 Slot, 10U, 2 fabric slots, 5V V(I/O), 500W CompactPCI chassis with FDD, EIDE HDD and EIDE CD-ROM
 SY PCI/P10-20 10 Slot, 10U, 2 fabric slots, 3.3V V(I/O), 500W CompactPCI chassis with FDD, EIDE HDD and EIDE CD-ROM

BA PSU/3UC-10 250W Power Supply Unit (3U CompactPCI)

For blanking front panels and for air blocking panels, please contact your local sales office