

8 Slot, Portable PICMG® 2.16 Development Chassis



APPLICATIONS

This 8 slot, portable chassis is configured to provide engineers with a practical, high performance, high quality development environment for CompactPCI®. The SY PCI/SE8 is an EMC enclosure that provides 8 vertically mounted slots on a PICMG 2.16 backplane, with a 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
- Portable chassis:
 - includes fixed handle, for lifting
- 8 slot CompactPCI PICMG 2.16 Packet Switching Backplane:
 - vertically mounted 6U CompactPCI cards
 - 1 x system slot (right hand slot)
 - 5 x peripheral slots (including 3 node slots)
 - 2 x fabric slots
- Pre-installed peripherals:
 - EIDE CD-ROM drive
 - EIDE hard disk drive
 - floppy disk drive
- Embedded 300 Watt ATX power supply:
 - AC 95-132V and AC 180-264V, 47Hz to 63Hz
- Cooling for up to 45 Watts per slot:
 - 280 LFM average airflow

Enclosure

- 10U 19" rack mountable EMC CompactPCI enclosure
- PICMG® 2.16, Packet Switching Backplane
- 8 slot backplane:-
 - 1 x system slot (right hand slot)
 - 5 x peripheral slots (including 3 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
- 280 LFM average airflow per slot:-
 - cooling for up to 45 Watts per slot

Power Supply

- Embedded 300 Watt ATX power supply:-
 - AC input voltage: 95V-132V and 180V-264V (autosensing)
 - AC input frequency: 47Hz to 63Hz
 - maximum output current @ 300W:-
 - +3.3V at 28A^{††}
 - +5V at 30A^{††}
 - +12V at 15A[†]
 - -12V at 0.8A[†]
- † Combined output power of +3.3V, +5V, +12V rails must not exceed 280 Watts
 †† Combined output power of +3.3V and +5V must not exceed 150 Watts

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 29lbs (13.5kg)

Environmental Specification

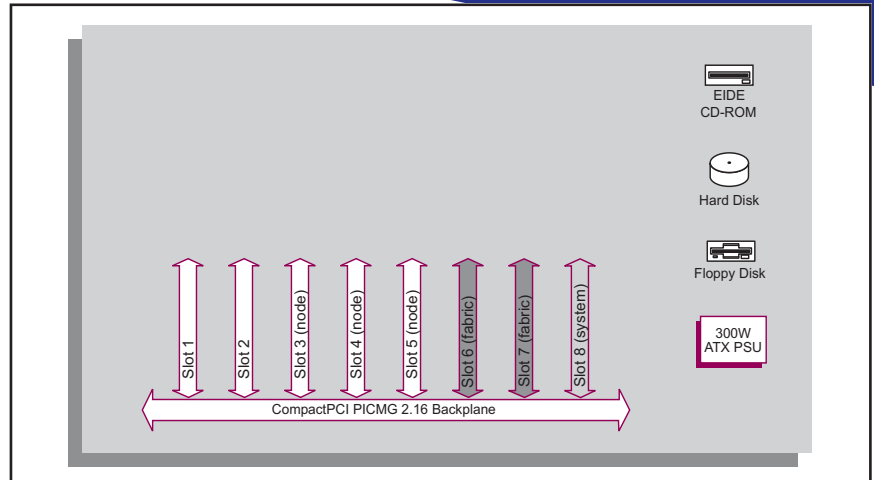
- +5°C to +50°C (operating)
- 20% to 80% Relative Humidity, non condensing (operating)
- -20°C to +65°C (storage)
- 10% to 90% Relative Humidity, non condensing (storage)

Safety

- flammability rating UL94-V0
- designed to meet UL60950; CSA 22.2 Level 3; 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, ½ sine
 - CD/DVD: 0.8g vertical, 1.5g horizontal, 11ms, ½ sine
 - FDD: 5g, 11ms, ½ sine
- non-operating shock:-
 - HDD: 120g, 11ms, ½ sine
 - CD/DVD: 50g, 11ms, ½ sine
 - FDD: 80g, 11ms, ½ 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/SE8-01 8 Slot, 2 fabric slots, 5V V(I/O), portable 300W CompactPCI chassis with FDD, EIDE HDD and EIDE CD-ROM
- SY PCI/SE8-11 8 Slot, 2 fabric slots, 3.3V V(I/O), portable 300W CompactPCI chassis with FDD, EIDE HDD and EIDE CD-ROM

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