cPCIS-5040/5080 Series

4-slot/8-slot Chassis for 6U Front I/O cPCI



Introduction

The cPCIS-5040/5080 Series are specially designed as computer based embedded controller enclosure for mission critical and high reliability applications. The enclosure is about 8U height to accommodate an industry standard 6U CompactPCI front boards up to 4/8 slots (one system with 3/7 peripheral I/O slots.) Very concisely mechanical arrangement provides the minimum necessary space when integrating the enclosure into machine or vehicles. Non-blocked ventilation design with hot-swappable fan(s) provides the best system cooling efficiency and easy maintenance capability. Built-in high quality backplane cBP-3204/cBP-3208 provides the 32-bit cPCI bus running at 33MHz speed with best impedance control and full range compatibility. The combination with cPCI-6842 series CPU board provides computing power up to Intel® Pentium® M 1.8GHz with lower power dissipation. The concept of cPCIS-5040/5080 Series design makes it as an ideal computer platform for demanding industrial automation and machine automation.

Features

- *Concise design for 6U pure front I/O CompactPCI boards*
- *cPCIS-5040 is suitable for one system with 3 I/O boards, 32-bit/33MHz*
- *cPCIS-5080 is suitable for one system with 7 I/O boards, 32-bit/33MHz*
- *CPU board in system slot could be single-slot (4TE/HP) or dual-slot (8TE/HP)*
- *Standard ATX power connector for system DC power input*
- *External mounting holes for the housing of PS/2 form factor ATX power supply*
- *Integrated with 3U CompactPCI backplane for optimized cost-performance value*
- *Hot-swappable system cooling fan(s)*
- *Compliant with PICMG 2.0 CompactPCI Specification R3.0*
- *PICMG 2.1 CompactPCI Hot Swappable Specification R2.0 Compliant*

Ordering Information

cPCIS-5040	4-slot 6U cPCI Front board chassis with backplane
cPCIS-5080	8-slot 6U cPCI Front board chassis with backplane

Note: Blank filler panels with EMC spring are optional.

Software Support

Chassis

General	CompactPCI Aluminum framework with coated metal plate outer covering
	Front-access, hot-swappable fan module(s) for suck-in
	12VDC brush-less motor, precise ball bearing
Rated speed	2600±300 RPM
Rated power	2.4W
Air flow	48.5 CFM/each (when zero static pressure)
Fan	Total two fans for cPCIS-5080, one fan for cPCIS-5040

Power Supply Options

Standard ATX power connector for system DC power input
External mounting holes for the housing of PS/2 form factor ATX power supply

Note: Chassis delivered without power supply.

Backplane Options

cPCIS-5040	cBP-3204, 4-slot 32-bit 3U CompactPCI backplane
cPCIS-5080	cBP-3208, 8-slot 32-bit 3U CompactPCI backplane

Dimensions

cPCIS-5040	137 mm x 329.9 mm x 231 mm (WxHxD, w/o handle, PSU, support frame)
cPCIS-5080	218.3 mm x 329.9 mm x 231 mm (WxHxD, w/o handle, PSU, support frame)

Weight

cPCIS-5040	4.1Kg (include backplane, w/o PSU, support frame)
cPCIS-5080	5.1Kg (include backplane, w/o PSU, support frame)

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000