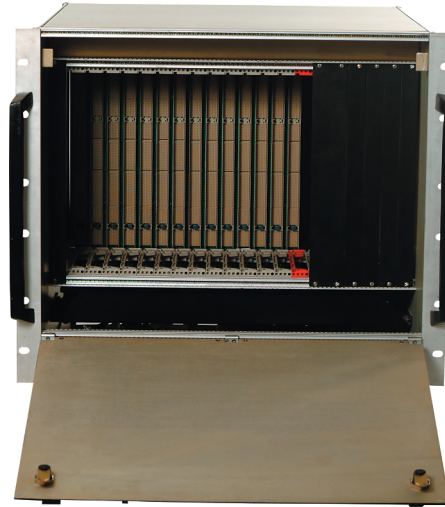# DP-cPCI-8010   10U cPCI Chassis

KEY FEATURES AND BENEFITS

• Accepts both 3U & 6U modules

• Compatible for both PXI and Compact PCI modules

• Filtered, forced-air cooling

• Integrated, redundant power supplies

• Compact PCI specifications compliant

• Multiple power supply options

  - 2x450W removable power supply with 230V AC input.
  - Battery backup provision optional (with AC/DC option only)

• Front & rear doors

• Protected illuminated On/Off switch

• EMC integrated system in 19" rack mount design.

• 160mm Card depth for 6U cards

• Ventilation from the front bottom via the card cage to the top rear

• Integrated LED for output voltages

• Recessed Card cage for better facia cabling

APPLICATIONS

• Automatic Test Equipment

• Data Acquisition System

• Factory Automation

DESCRIPTION

DP-cPCI-8010 is a Compact high performance, high reliablity 10U cPCI chassis. The DP-cPCI-8010 provides user the right platform options to meet the system integration needs. The chassis is complied with the features defined by the Compact PCI specifications, including rugged features, modular construction, integrated cooling and EMI-EMC protection. The DP-cPCI-8010 is available with high performance 4 - 21 cPCI slot backplane and with various power supply configurations.

FUNCTIONAL DESCRIPTION

DP-cPCI-8010 10U chassis has hard disk mounted vertically on specially designed vibration damped HDD mounts. The design is aesthetically appealing and provides reliability. The chassis has the provision to mount CD writer, 3.5 inch floppy drive horizontally in a single casing or mounting of any other storage devices which is made available within the chassis. The DP-cPCI-8010 can be utilized for 4 - 21 slot application requirements. It is fitted with reliable power supply and has a compact structural design. This chassis is a versatile, flexible platform to build any standard cPCI application.

DP-cPCI-8010 is provided with a 6U 64/32-bit backplane. The backplane architecture allows the construction of Compact PCI systems with any number of slots. Each backplane contains between 2 and 8 slots and are integrated based on the application requirement.

POWER SUPPLY

The DP-cPCI-8010 has provision to accommodate various type of power supplies depending on the requirement. The system can be made available with

• Standard ATX power supply
• Redundant hot swappable ATX power supply
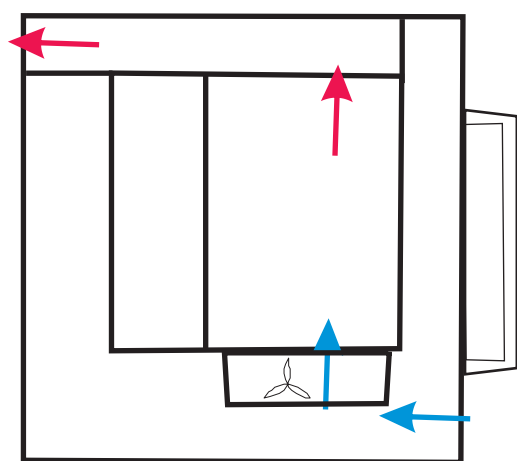• DC power suply
• 6U cPCI power supply

COOLING

Cooling fans integrated with the Chassis provide filtered forced-air cooling. The fans provided are additional to the cooling fans on the power supply. The fans are placed beneath the card cage covering the full card size to provide maximum cooling for the modules. Adequate cooling reduces operating temperature and prolongs the operational life of the modules.

DP-cPCI-8010

Chassis Airflow Diagram

Three cooling fans are provided over the entire of the chassis to provide adequate cooling for the modules.
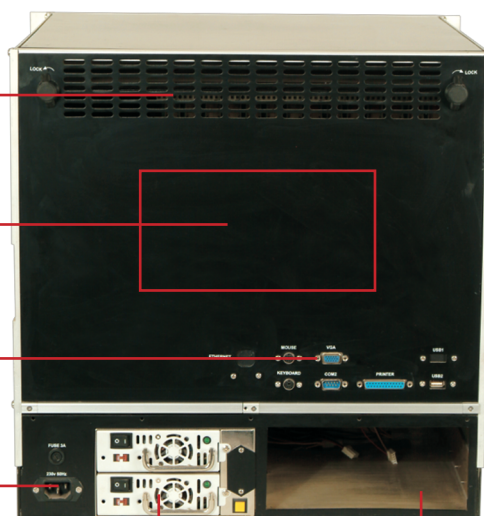
Rear Air flow outlet

Space for user I/O connectors

cPCI Peripheral interface

Power input with filter

Dual Redundant power supply

Rear outlet for cables

Note: Rear cable exit shown open

ORDERING INFORMATION

DP-cPCI-8010-xxx*   **10U cPCI Chassis**

* This will be defined by the factory based on the application requirement