cPCI-RY02

3U Compact Relay Control Board

INTRODUCTION

Relay Control System is composed to CPU board and RELAY board. It is the output relay control system that used to local bus to backplane.

GENERAL DESCRIPTION

- ◆ Relay Control System
- ◆ Control the total 200 Relay(4x50) through FPGA
- ◆ Control by CPU Board
- ◆ Connect to Compact PCI back-plane local bus
- ◆ External Device Control and Investigation

APPLICATION

- ◆ Digital Data Acquisition
- ◆ Laboratory Instrumentation
- ◆ Process Control Systems
- ◆ Factory Automation

SOFTWARE

▣ **Operating System**

- ▪ Windows 2000/XP

SPECIFICATION

▣ **General**

- ▪ 256Mb SDRAM x 2
- ▪ 16Mb Flash

▣ **Interface**

- ▪ Compact PCI local connection
- ▪ MDR 100pin Relay Output
- ▪ Back Plane Local Bus Interface
- ▪ +5V/+3.3V compatible operation

▣ **Functions**

- ▪ PCI specification v2.2 compliant

PHYSICAL/ENVIRONMENTAL

▣ **Dimensions**

- ▪ Standard 3U Compact PCI 32bit form-factor(160mm x 100mm)

▣ **Temperature**

- ▪ 0 to 70℃, Operating
- ▪ -20 to 80℃ Storage

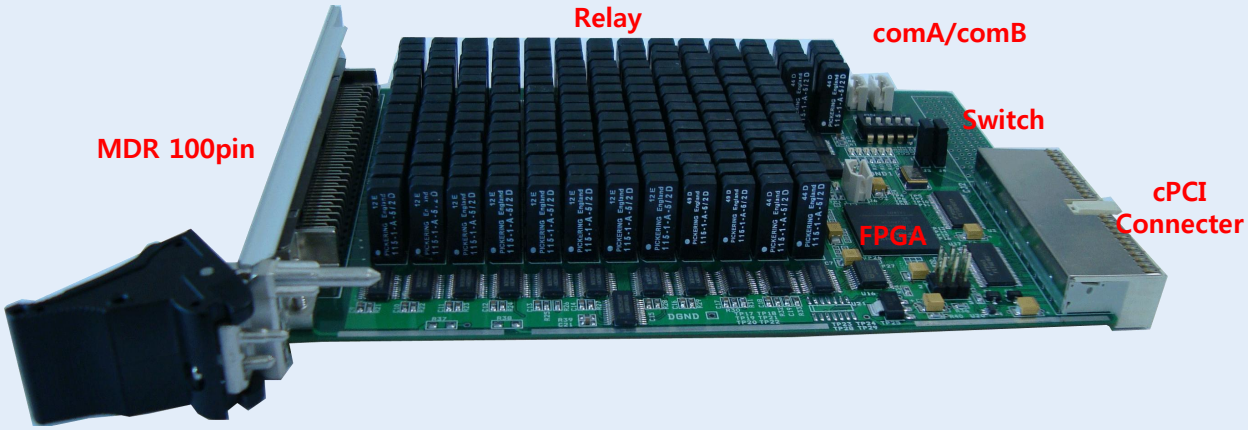
▣ **Relative Humidity**

- ▪ 20 to 80 percent, Non-condensing

▣ **Power Requirement**

- ▪ +3.3V Operation
- ▪ +1.2V FPGA core supply, Max. 6A

▣ Board Feature



- FPGA : Control to Relay, Data communication with Local Bus Interface
- Switch : Set the Relay board address
- Relay : 4 x 50(200) Matrix Structure
- Switch : Relay System Board No.(Max. 15)
- Com A / Com B : RJ45 connector

MDR 100PIN(4(com) x 50(OUT)