## Description

The PCI-16REL is a half card PCI solution for digital control where on board relays are required such as in test equipment, instrumentation, process control, satellite/microwave network control, audio switching and analog multiplexing. The reed relays are more reliable compared to electro-mechanical relays in applications of high switch count.
The PCI-16REL offers the same features as the ISA 16REL but on the PCI bus with plug and play. The C1800 cable can be attached to either the 2M37DSM termination breakout that uses 2TK2D-6 for mounting or the UTB-K with universal termination board installed in a metal enclosure. The PCI-16REL in both pin-out and software is equivalent to the output half of the PCI-DIO32.

## Features

· 16 Reed Relay Outputs (10 VA Resistive Load)

· DB-37 Connector for all 16 Outputs

· Non-Destructive Read-back Capability

· Connector: DB-37 Male

· Same pin-out as 16REL

· Power and Ground Provided on Connector

· Plug and Play

· PCI 2.1 compliant, (seen past bridge)

· Software compatible with PCI-DIO32

· DOS, Windows 98/NT/2000 I/O support

## Support

· Superior pre- and post-sales technical support

· All products carry a two year warranty

## Ordering Guide

**PCI-16REL**
   Board, manual, & driver disks

### Accessories

**C1800**
   18" (457mm) cable, female to female

**2M37DSM**
   Screw termination board

**2TK2D-6**
   6 Inch Section of SNAPTRAK (for mounting 2M37DSM)

**UTB**
   Universal Termination Board (can be mounted with stand-offs)

**UTB-K**
   Universal Termination Board Kit with UTB & UTB-B

## Specifications

Channels: 16 Outputs
Arrangement: SPST relays
Resistance: 150 milliOhm max (initial)
Life expectancy: 200M Operations
Maximum switching power
   10 VA, Resistive Load
Maximum switching current: 0.5A
Maximum carry current: 1.0 A
Maximum speed: 600Hz
Maximum contact voltage
   100V DC or AC
Shock & Vibration: 20 G
Power Required: +5 VAC @ 0.36A
I/O Addressing
   Plug and Play-Auto Selection (no address switches required)
Interrupts
   1 interrupt per card on PCI if required (polling needs no interrupts)
Bus Interface
   PCI, PCI Specification 2.1, works past PCI bridge
Connector
   One 37-pin DB male on rear of card bracket
Overall length: 127mm (app. 5")
Height
   99mm ( 3.9") with goldfingers
   91mm ( 3.58") excluding goldfingers
Weight: 3.2 ounces (90.71 g)
Operation temperatures: 0 ° to 50° C
Storage temperature: -20 ° to 70 °C
Maximum humidity: 10 to 90% RHNC
MTBF: >150,000 Hrs (calculated)
Certifications
   FCC Class A(47 CFR Part 15, Subpart B)
   UL 1950, 2nd edition 1993
   CE Conformity with:
     EU EMC Directive 89/336/EEC
     EU Low Voltage Directive 72/23/EEC
OS Support
   Dos on separate driver/examples disk
   Windows98, NT, Windows 2000 full I/O support

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