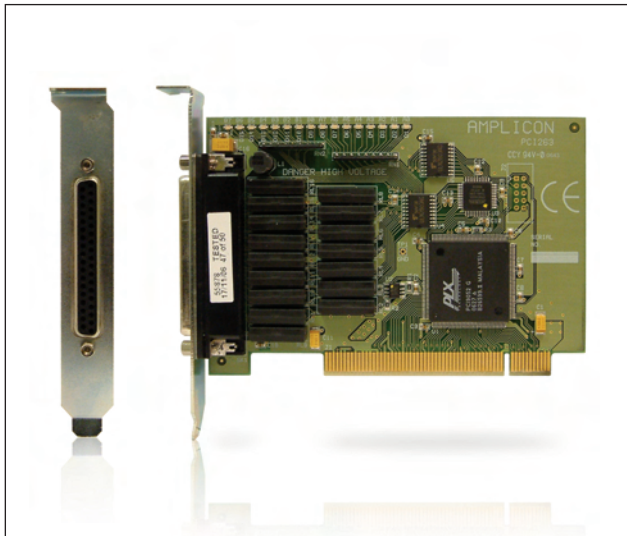


## AMPLICON PCI263



### Features

- 32-bit 5V PCI bus compatible
- 16 Normally Open form A relays
- Rated for 75Vdc or 1A
- All contact pairs isolated
- Onboard LED display of relay status
- Relay register read-back
- Windows 95, 98, NT, 2000, XP, 2003, Vista and Linux support
- Drivers for C/C++, C#, VB/VB.NET, Delphi, VEE and LabVIEW

### Description

#### General

The PCI263 is a plug-in board that provides 16 isolated reed relay outputs. It can be used in any PC that supports PCI bus version 2.1 or later. It is ideal for applications such as alarm activation and energy management.

#### Architecture

The PCI263 has 16 independently controlled single pole, single throw, dry reed relays. Each relay has an associated LED to indicate its output status and its contact is rated at 15W. Relays are controlled by writing 8-bit words into one or two registers. The computer can read back the status of each relay from the same registers.

Each relay has a life expectancy of over 50 million operations when

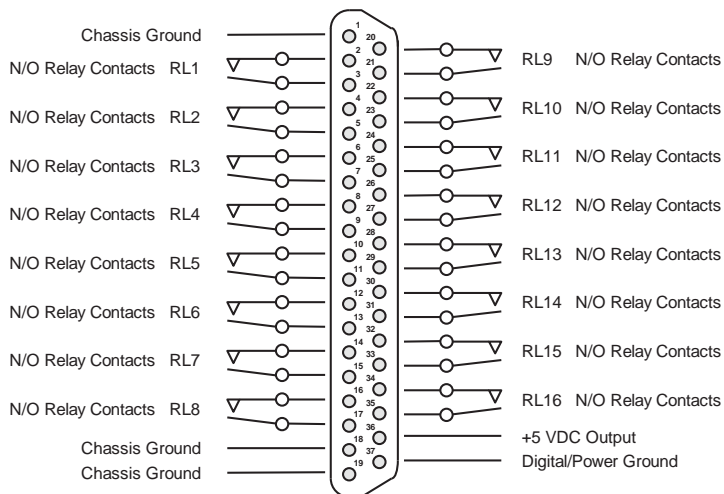
used in low load applications, but this will reduce as the switching load is increased.

The PCI263 is powered by the +5V supply from the host PC. The +5V supply and chassis ground are available for external use via the I/O connector. Consideration should be taken if using these power connections to ensure that it does not negate the isolation provided by the relays.

#### Software support

The PCI263 may be used in 32-bit Windows or Linux operating environments. Drivers are available for all popular high-level programming languages. The Amplicon programming library AMPDIO32, provides example programs with source code which can be modified as required.

### PCI263 37-way connector



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## AMPLICON PCI263

### Specifications

Digital Output		General	
<b>Output relays</b>	16 independently controlled by two 8-bit registers	<b>Connector</b>	37-way female D-sub
<b>Output modes</b>	Program mode	<b>PC interface</b>	PCI bus version 2.1, 5V
<b>Relay contacts</b>	Dry reed Form A (SPST - normally open)	<b>Dimensions</b>	134 x 90mm (Length x Height)
<b>Contact ratings</b>	Power (switching) 15W Voltage (switching) 75Vdc Current (switching) 1.0A Current (carrying) 1.25A	<b>Operating temp.</b>	0 to 60°C
<b>Contact resistance</b>	400mohm (initial)	<b>Storage temp.</b>	-20 to 70°C
<b>Switching time</b>	0.7ms typical	<b>Humidity</b>	5 to 95% RH, non-condensing
<b>Relay life expectancy</b>	1000 x 10 <sup>6</sup> operations at +5Vdc, 10mA	<b>Power consumption</b>	+5V @ 500mA
<b>Isolation</b>	Between contacts: 250Vdc Between contact and PC ground: 300Vdc	<b>MTBF</b>	124 khours
		<b>Compliance</b>	CE, EMC EN55022, EN55024

### Accessories and Ordering information

**96003843** PCI263 reed relay 16 channel

**90956109** ACL-10137 1m screened cable, 37 way male to male

**90891950** Screw terminal adapter with female 37 way connector, DIN rail mounting

