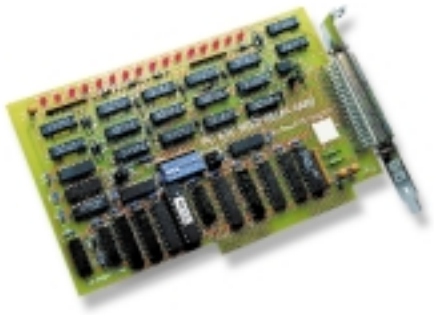
ISA PC-63C

Reed Relay Board - 16 Channel



Features

- 16 Channel SPST Reed Relays
- Signal Conditioned external trigger line
- On-board wait state generation
- Load switching up to 10W
- LEDs for display of status
- Readback registers available in order to track relay operation

Description

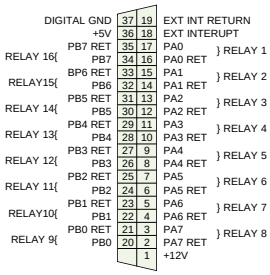
The PC-63C Reed Relay Board gives your PC the capability to control up to 16 external devices without requiring any external terminal panels or opto modules. The PC-63C is designed for switching low to medium power levels at high switching speeds. Wait-state generation has been incorporated to allow operation in very fast computers with fast Bus Clock speeds. LEDs on board tracks status of the relays.

A signal-conditioned external interrupt line allows pulses of up 24V to be used. It can operate as an external trigger or an automatic startup / shutdown signal. A jumper enables the external interrupt line to be commoned to digital ground or be completely isolated. For a logical Low, you require a voltage of 0 to 2.5V on the external trigger line. For a logical High, you require a voltage from 3V to 24V.

Specifications

No of Relays:	16 relays	
Relay coil rating:	Nom. ON Voltage	5VDC
	Min. ON Voltage	3.8VDC
	Min. OFF Voltage	0.5VDC
	Coil resistance	500W ±10%
Relay contact rating:	Power:	10W (Max)
	Voltage:	150VDC
	Current:	1A (max)
	Resistance: 0.2 Ohm	
Breakdown Voltage:	Open Contacts:	250VDC (min)
	Contact/coil: 500VDC	
Trigger Line:	Input Voltage:	0-3V (Input low)
		3.1-24V (Input high)
	Max. reverse voltage:	400V peak
	Max. input current:	1A peak
	Signal Freq. response: 10KHz	
Address selection:	0 to 7FFh	
Interrupt selection:	IRQ2 to IRQ7	
Word size:	8bits	
I/O address location:	4 bytes	
Wait State Selection:	0, 1, 2, 4, 8	
Operating Temp:	0 to 50°C	
Relay switching time:	0.5mS (max)	
GENERAL		
Relative Humidity:	0% to 90% (non-condensing)	
Operating Temp:	0 to 70°C	
Power Requirements:	+5V @ 700mA typ	
	+12V @ 125mA typ	
Board Dimensions:	177.2mm x 105.9mm	

DB37F Reed Relay



Ordering Information

Supplied with EDR Software

PC-63C 16 Channel Enhanced Reed Relay Board

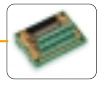
Optional Accessories

ADPT-3740	IDC20 (M) to 21way Screw Terminal
DB37M/F	37way Screened Cable DB37 (M) to (F)

System Diagram

DB37M/F Cable

Analog (O/P)



ADPT-3740
DB37 (M) & IDC40 (M) to 41way
Screw Terminal Adaptor

View Adaptors & Cables on pg.35-40
View Software on pg.34
ISA Data Acquisition Boards