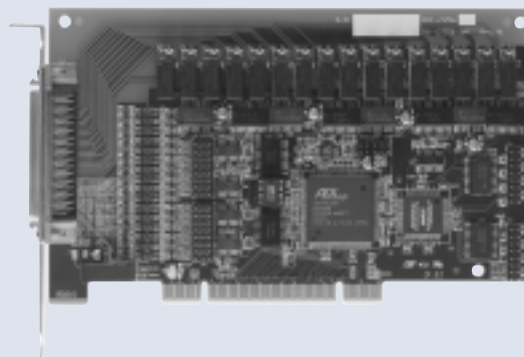


Features

- 32-bit PCI bus, plug and play
- 16 Latching relay actuator outputs
- Save PC power on relay actuation
- The output status will keep un-changed when power-off
- LED indicator for relay status
- Relay output status read back
- 16 Photo isolated digital inputs
- Change-of-status (COS) detection for digital input channels
- Dry contact input is possible
- Board ID



Specifications

Relay Output

- Number of relays: 16
- Relay type:
 - Single-pole, single-throw (SPST)
 - All Relays are Form C (includes normally open and close contacts)
 - All Relays are latching relay: The output status will keep unchanged when power-off
- Contact Type:
 - 125V AC @ 0.5A or 30V DC @ 1A
- Breakdown voltage: 1000Vrms
- Contact resistance: 60mΩ
- Relay ON/OFF time:
 - Release time: 5ms
 - Operate time: 5ms
- Coil voltage: +5V, 40mA for each relay
- LED indicator: Internal LEDs and external LEDs connectors
- Relay Life: >2x10⁵ @1A 30V DC
>10⁵ @0.5A 125V AC

Isolated Inputs

- Number of channels: 16
- Photo isolators: PC3H4
- DC Input voltage range: 0 ~ 24V DC
- DC Input Logic Level:
 - Logic Low: 0~2V
 - Logic High: 5V~24V
- Input impedance: 4.7 KΩ
- Isolation voltage:
 - 2500 V rms channel-to-system

- Response time:
 - 75μs without AC Filter
 - 3ms with AC Filter

COS Detection

- Interrupt on any COS of DI
- Data is latched at dedicated register
- The COS detection is maskable

General Specifications

- Connectors:
 - 68-pin SCSI connector
- Operating temperature: 0°C~ 60°C
- Storage temperature: -20°C~ 80°C
- Humidity: 5~90%, non-condensing
- Power requirement:
 - +5VDC: 340mA (typical)
 - 980mA, when all relays are activated simultaneously.
- PCB dimensions
- 174mm x 107mm

Termination Boards

- DIN-68S

Ordering Information

PCI-7256

16-CH Latching Relay & 16-CH Isolated DI Card

Note: PCI-7256 is shipped with software development kit for DOS/Win-95/98 /NT /2000, PCIS-LVIEW

Pin Assignment of DB-68 Connector on PCI-7256

ISO5V (1)	○	(35) ISOGND
DI0 (2)	○	(36) DI1
DI2 (3)	○	(37) DI3
DI4 (4)	○	(38) DI5
DI6 (5)	○	(39) DI7
DICOM2 (6)	○	(40) DICOM1
DI8 (7)	○	(41) DI9
DI10 (8)	○	(42) DI11
DI12 (9)	○	(43) DI13
DI14 (10)	○	(44) DI15
NC0 (11)	○	(45) NC8
COM0 (12)	○	(46) COM8
NO0 (13)	○	(47) NO8
NC1 (14)	○	(48) NC9
COM1 (15)	○	(49) COM9
NO1 (16)	○	(50) NO9
NC2 (17)	○	(51) NC10
COM2 (18)	○	(52) COM10
NO2 (19)	○	(53) NO10
NC3 (20)	○	(54) NC11
COM3 (21)	○	(55) COM11
NO3 (22)	○	(56) NO11
NC4 (23)	○	(57) NC12
COM4 (24)	○	(58) COM12
NO4 (25)	○	(59) NO12
NC5 (26)	○	(60) NC13
COM5 (27)	○	(61) COM13
NO5 (28)	○	(62) NO13
NC6 (29)	○	(63) NC14
COM6 (30)	○	(64) COM14
NO6 (31)	○	(65) NO14
NC7 (32)	○	(66) NC15
COM7 (33)	○	(67) COM15
NO6 (34)	○	(68) NO15