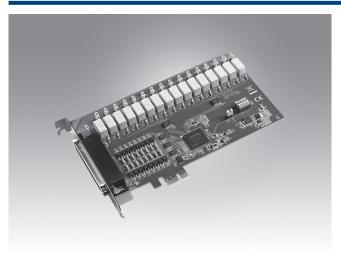
PCIE-1762H

16-ch Relay and 16-ch Isolated Digital Input w/ digital filter & interrupt PCIe Card



Features

- 16-ch digital input and 16-ch relay
- Interrupt handling capability for all DI channels
- Selectable Digital filter time for all DI channels
- Output status readable
- LED indicator to show activated relays
- Selectable Form A or Form B



Introduction

The PCIE-1762H provides 16 opto-isolated digital inputs with isolation protection of 2,500 V_{DC} for collecting digital inputs in noisy environments, 16 relay actuators that can be used as a on/off control devices or small power switches.

All of the input signals can be used as interrupt request signals and also disable or enable the interrupt in each channel and support the edge of the input signals, at which to generate an interrupt. all of PCIE-1762H DI channel has a digital filter to prevent wrong recognition of input signals from carrying noise or a chattering.

Specifications

Isolated Digital Input

• Channels 16

■ Input Voltage Logic 0: 3.0 V max.

Logic 1: 10 V min. (30V max.)

• Interrupt Capable Ch. 16

Isolation Protection 2,500 V_{DC}
Opto-Isolator Response 50 µs

■ Input Resistance 2.7 k Ohm 1 W

Digital Filter Time

Setting Data(n)	Digital Filter Time	Setting Data (n)	Digital Filter Time	Setting Data (n)	Digital Filter Time
0 (00h)	The filter function is not used.	7 (07h)	16µsec	14 (0Eh)	2.048msec
1 (01h)	0.25µsec	8 (08h)	32µsec	15 (0Fh)	4.096msec
2 (02h)	0.5µsec	9 (09h)	64µsec	16 (10h)	8.192msec
3 (03h)	1µsec	10 (0Ah)	128µsec	17 (11h)	16.384msec
4 (04h)	2µsec	11 (0Bh)	256µsec	18 (12h)	32.768msec
5 (05h)	4µsec	12 (0Ch)	512µsec	19 (13h)	65.536msec
6 (06h)	8µsec	13 (0Dh)	1.024msec	20 (14h)	131.072msec

General

I/O Connectors
Dimensions (L x H)
Power Consumption
1 x DB62 female connector
168 x 100 mm (6.6" x 3.9")
Typical: 5 V @ 250 mA
Max.: 5 V @ 620 mA

Operating Temperature 0 ~ 60°C (32 ~ 140°F)
Storage Temperature -20 ~ 70°C (-4 ~ 158°F)
Storage Humidity 5 ~ 95 % RH, non-condensing

Ordering Information

PCIE-1762H-AE
16-ch Relay and 16-ch Isolated Digital Input w/ digital filter & interrupt PCIe Card

Accessories

PCL-10162-1E
PCL-10162-3E
DB62 Cable, 1 m
DB62 Cable, 3 m

ADAM-3962-AE DB62 DIN-rail Wiring Board

Relay Output

• Channels 16

Relay Type
Form A or Form B (Jumper selectable)
Contact Rating
0.25 A @ 250 V_{AC}, 0.5 A @ 30 V_{DC}

Max. Switching Power
Max. Switching Voltage
250 V_{AC}, 220 V_{DC}
Operate Time
Release Time
Resistance
Life Expectancy
62.5 VA, 15 W
Typical: 3 ms, Max.: 5 ms
Typical: 2 ms, Max.: 4 ms
Contact: 50 m Ohm max.
10° cycles min. @ 0.5A/ 30V_{DC}