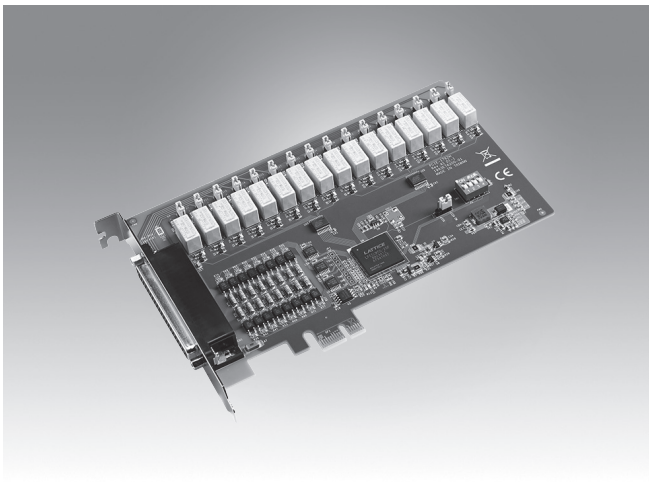
# PCIE-1762H

## 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 |

### 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** 62.5 VA, 15 W
- **Max. Switching Voltage** 250 $V_{AC}$, 220 $V_{DC}$
- **Operate Time** Typical: 3 ms, Max.: 5 ms
- **Release Time** Typical: 2 ms, Max.: 4 ms
- **Resistance** Contact: 50 m Ohm max.
- **Life Expectancy** $10^6$ cycles min. @ 0.5A/ 30$V_{DC}$

### General

- **I/O Connectors** 1 x DB62 female connector
- **Dimensions (L x H)** 168 x 100 mm (6.6" x 3.9")
- **Power Consumption** 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** DB62 Cable, 1 m
- **PCL-10162-3E** DB62 Cable, 3 m
- **ADAM-3962-AE** DB62 DIN-rail Wiring Board


All product specifications are subject to change without notice.