AIIS-1750

32-ch Isolated Digital I/O Card



Features

- 32-ch isolated DI/O (16-ch digital input w/ Digital filter, 16-ch digital output)
- · High output driving capacity
- Interrupt handling capability
- Connector for isolated input and output channels
- High-voltage isolation on output channels (2,500 V_{DC})

ROHS CE FCC

Introduction

The AllS-1750 offers isolated digital input channels as well as isolated digital output channels with isolation protection protectio

Specifications

General

Bus Type
I/O Connectors
PCI Express V1.0
1 x DB37 female connector

■ **Power Consumption** Typical:3.3 V @ 280 mA, 12 V @ 330 mA

Max.: 3.3 V @ 420 mA, 12 V @ 400 mA

Operating Temperature 0 ~ 50°C (32 ~ 122°F)
Storage Temperature -25 ~ 85°C (-13 ~ 185°F)
Storage Humidity 5 ~ 95% RH, non-condensing

Isolated Digital Input

• Channels 16

■ Input Voltage Logic 0: 2 V max

Logic 1: 5 V .nin. (50 V max.)

Interrupt Capable Ch. 16
Isolation Protection 2,500 V_{DC}
Opto-Isolator Response 100 µs

Digital Filter Time

Digital Filter Time[sec.] = 2ⁿ / (8 x 10⁶) n: = setting data(0 - 20)

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)	16 µsec	14 (0Eh)	2.048 msec
1 (01h)	0.25 µsec	8 (08h)	32 µsec	15 (0Fh)	4.096 msec
2 (02h)	0.5 µsec	9 (09h)	64 µsec	16 (10h)	8.192 msec
3 (03h)	1 µsec	10 (0Ah)	128 µsec	17 (11h)	16.384 msec
4 (04h)	2 µsec	11 (0Bh)	256 µsec	18 (12h)	32.768 msec
5 (05h)	4 µsec	12 (0Ch)	512 µsec	19 (13h)	65.536 msec
6 (06h)	8 µsec	13 (0Dh)	1.024 msec	20 (14h)	131.072 msec

isolated Digital Output

Channels16

 $\begin{array}{lll} \bullet & \textbf{Output Type} & Sink type \ (NPN) \\ \bullet & \textbf{Isolation Protection} & 2,500 \ V_{DC} \\ \bullet & \textbf{Opto-Isolator Response} & 50 \ \mu s \\ \bullet & \textbf{Output Voltage} & 5 \sim 40 \ V_{DC} \\ \end{array}$

Sink Current
500 mA max./channel

Ordering Information

• AIIS-1750-AE 32-ch Isolated Digital I/O Card

Accessories

ADAM-3937
DB37 DIN-rail Wiring Board

PCL-10137-1E DB37 Cable, 1 m
PCL-10137-2E DB37 Cable, 2 m
PCL-10137-3E DB37 Cable, 3 m