

IPCIE-GPIO-8I8O

PCIe x1 card supports 8-input & 8-output GPIO,
w/ isolation, 5/12/24V, RoHS

Quick Installation Guide

Version 1.00

July, 2026

Features

- PCI Express® x1 lane interface.
- 8-channel isolated digital inputs and 8-channel isolated digital outputs.
- Supports 5 V, 12 V, and 24 V external output power supplies.
- 2500 VRMS optical isolation.
- Source current up to 40 mA on a single isolated output.

Packing List

- 1 x IPCIE-GPIO-8I8O card
- 1 x DB44 TO 2 x DB9 cable
- 1 x QIG (Quick Installation Guide)

Connectors

JV5S: +V5S_ISO Pin header	
PIN NO.	DESCRIPTION
1	+V5S_ISO
2	+VDDIO_ISO

JV24S: +V24S_ISO Pin header	
PIN NO.	DESCRIPTION
1	+V24S_ISO
2	+VDDIO_ISO

JV24S_OUT: DIO_PWR_IN Pin header	
PIN NO.	DESCRIPTION
1	DIO_PWR_IN
2	+VDDIO_ISO

J1: External Power Connector	
PIN NO.	DESCRIPTION
1	DIO_PWR_IN
2	ISO_GND

CN1: DB25 Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	DIN_B0	15	DIN_B3
2	DIN_B2	16	DIN_B5
3	DIN_B4	17	DIN_B7
4	DIN_B6	18	+VDDIO_ISO
5	+VDDIO_ISO	19	+VDDIO_ISO
6	+VDDIO_ISO	20	DOUT_B1
7	DOUT_B0	21	DOUT_B3
8	DOUT_B2	22	DOUT_B5
9	DOUT_B4	23	DOUT_B7
10	DOUT_B6	24	ISO_GND
11	ISO_GND	25	ISO_GND
12	ISO_GND	G1	DB25_GND
13	ISO_GND	G2	DB25_GND
14	DIN_B1		

U27: Dial Switch			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	D_OUT0_C	5	GND
2	D_OUT1_C	6	GND
3	D_OUT2_C	7	GND
4	D_OUT3_C	8	GND

U28: Dial Switch			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	D_OUT4_C	5	GND
2	D_OUT5_C	6	GND
3	D_OUT6_C	7	GND
4	D_OUT7_C	8	GND

Get more information:

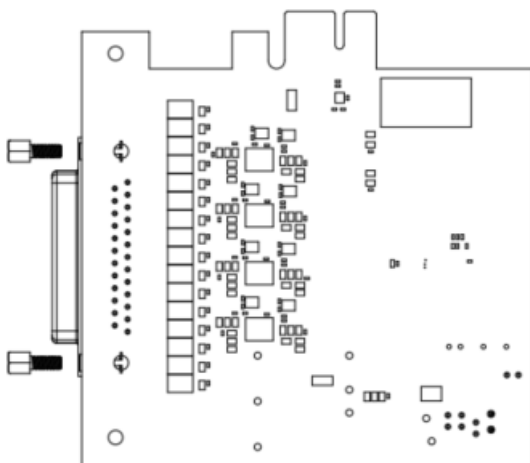
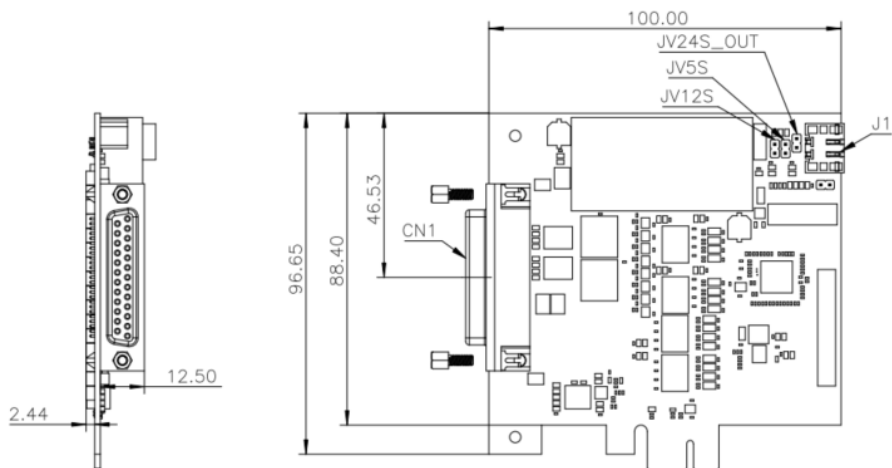


IPCIE-GPIO-8180



IEI Resource Download Center

Dimensions (Unit: mm)



Safety Instructions



Warning! Read the user manual before connecting the system to the power source.

Warning! To prevent the system from overheating, do not operate it in an area that exceeds the maximum operating temperature described in the user manual.

Warning! Ultimate disposal of this product should be handled according to all national laws and regulations.

Support



IEI Support URL

http://new.ieiworld.com/tw/online_support_form

Compliance



This equipment has been tested and found to comply with specifications for CE marking. If the user modifies and/or installs other devices in the equipment, the CE conformity declaration may no longer apply.



This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



According to the requirement of the WEEE legislation, the following user information is provided to customers for all branded IEI Electronics products subject to the WEEE directive.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

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