

DA-IRIGB-4DIO-PCI104-EMC4 Expansion Module

Expansion modules with time-synchronization ports and DI/DO



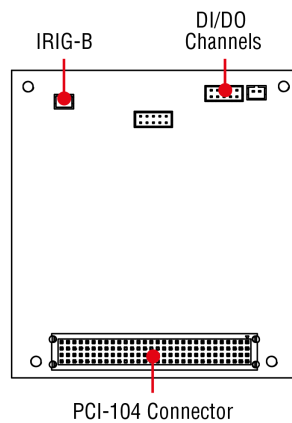
Features and Benefits

- 1 IRIG-B signal input port to support software-controlled TTL/differential signal input
- 3 digital inputs, 4 digital outputs
- Built-in EMC Level 4 protection
- Configurable IRQ and I/O settings
- Onboard status LED indicators for IRIG-B signal input

Introduction

The DA-IRIGB-4DIO-PCI104-EMC4 module features 3 digital inputs and 4 digital outputs and provides precision timing information using IRIG-B input signals. The module is designed for embedded computers that support the PCI/104 interface.

Appearance



Specifications

Computer

Interface	IRIG-B Port 1 DB9 male
Input Signal	Single or Differential
Input Signal Level	Single: High -> Open, Low -> Short to GND Differential: D+ - D- > 0.2 V, RxD is High, D+ - D- < -0.2 V, RxD is Low
Accuracy (Time Synchronization)	±1 μs
Accuracy (Free Running)	±500 ms @ 24 hr

Ethernet Interface

Magnetic Isolation Protection	1.5 kV (built-in)
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Hardware Requirements

Comm. Controller	1
Bus	PCI/104 slots x 1

Physical Characteristics

Dimensions (without ears)	130 x 150 mm (42 x 5.12 in)
Weight	65 g (0.14 lb)

Environmental Limits

Operating Temperature	-25 to 60°C (-13 to 140°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Declaration

Green Product	RoHS, CRoHS, WEEE
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MTBF

Time	1,145,189 hrs
Standards	Telcordia (Bellcore), GB

Warranty

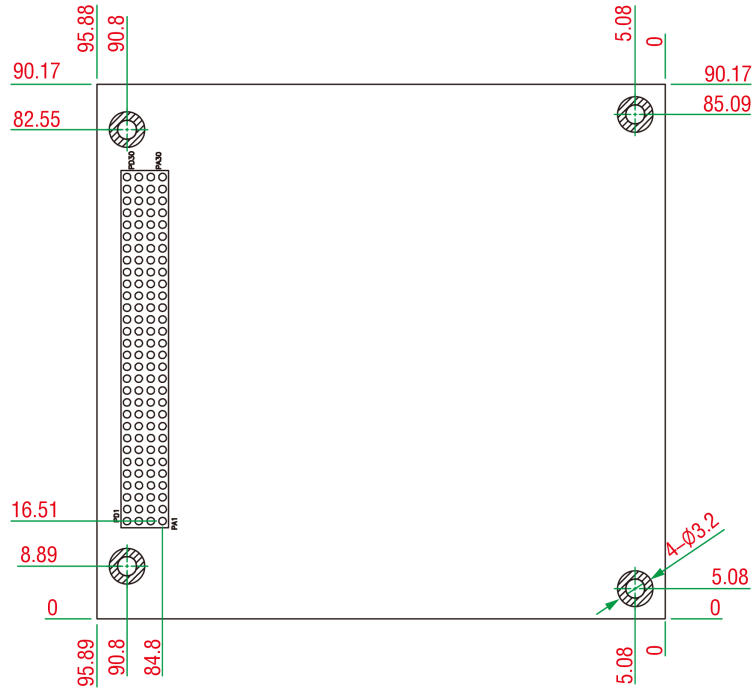
Warranty Period	3 years
Details	See www.moxa.com/warranty

Package Contents

Device	1 x DA-IRIGB-4DIO-PCI104-EMC4 expansion module
Documentation	1 x warranty card

Dimensions

Unit: mm



Component side HL: 11.05 mm



Solder side HL: 2.54 mm

Ordering Information

Model Name	DI Ports	DO Ports	DB9 Ports
DA-IRIGB-4DIO-PCI104-EMC4	3	4	3

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