

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

*Expansion modules with time-synchronization ports and DI/DO*



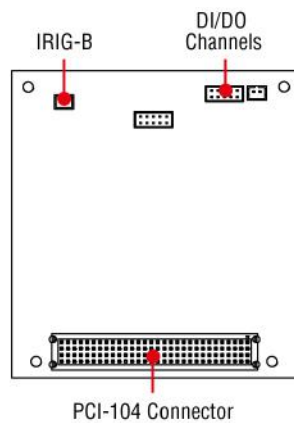
## Features and Benefits

- 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)
-------------------------------	-------------------

## 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
---------------	-------------------

## MTBF

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

## Warranty

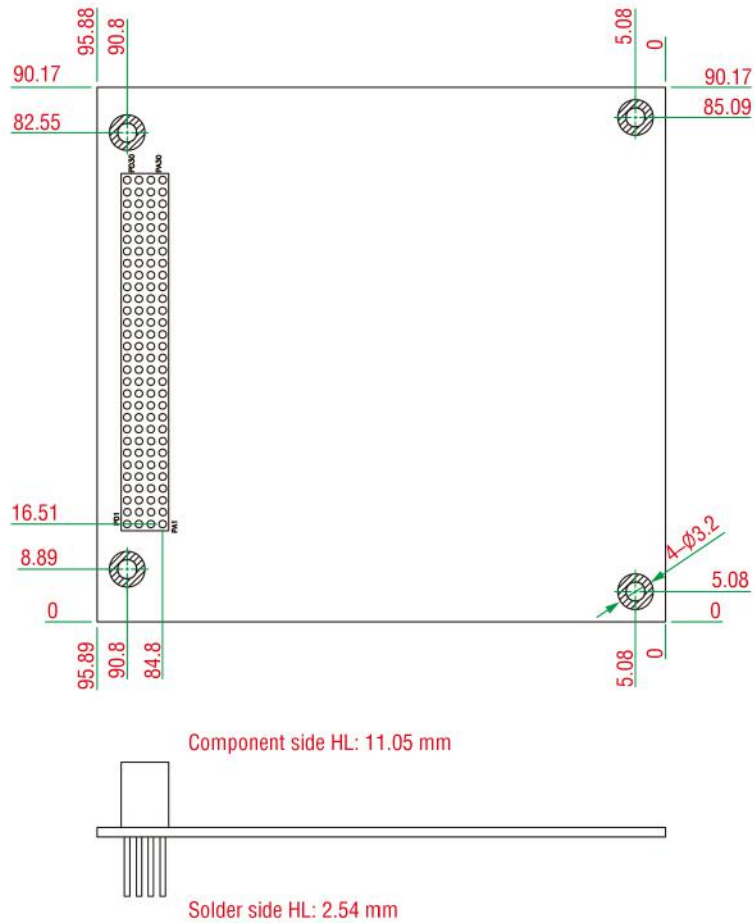
Warranty Period	3 years
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>

## Package Contents

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

## Dimensions

Unit: mm



## Ordering Information

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

© Moxa Inc. All rights reserved. Updated Nov 12, 2018.

This document and any portion thereof may not be reproduced or used in any manner whatsoever without the express written permission of Moxa Inc. Product specifications subject to change without notice. Visit our website for the most up-to-date product information.