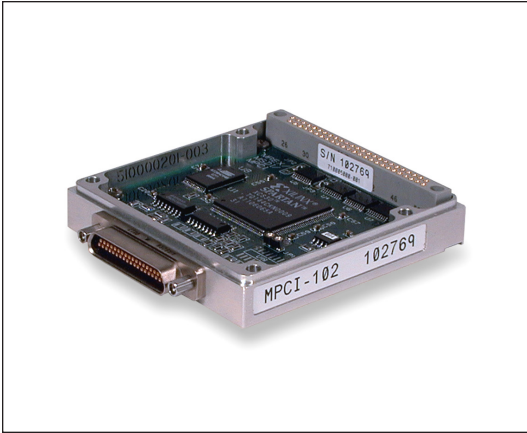


## 2-Channel Serial Data Input Module



### Applications

- Flight Test Measurements
- System Integration
- Multiplexing Multiple Asynchronous PCM Channels
- Combining PCM and Video

### Features

- 2-Channel Serial Digital Module for use with the MARM-2000
- Accepts IRIG-106-96 Serial Data Streams
- Integrate PCM Encoders from Different Vendors
- Integrate Low-Rate and High-Rate Systems
- Operation at up to 10 MBPS
- Encodes Data as an "Asynchronous Embedded Format"
- Uses "EMPTY" Flags to Support Data Recovery
- Accepts NRZ-L and RNRZ-L Data and Zero-phase Bit Clock
- RS-422 or TTL Inputs for Clock & Data
- Windows 95/98/NT/2000 Software Included

### Description

The MPCI-102 is a 2-channel Serial Data Input Module for use in TTC's MARM (Miniature Asynchronous Realtime Multiplexer) products. The module can be used to integrate PCM Encoders from different vendors. Each channel accepts either single-ended or RS-422 differential inputs (data and clock) at standard rates up to 10 Mbps on a per-channel basis. All incoming data is FIFO buffered on the module. The embedded PCM data's format is not synchronized with the MARM output data format.

Revision 05/12/2015

### MPCI-102 Datasheet

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Specifications subject to change without notice.

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CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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