

Dual-Channel PCM Interface Module for Miniature Network High-Speed Data Acquisition Unit



Applications

- Data acquisition systems
- Flight test data recording
- Flight test instrumentation
- Lab test

Features

- For use in Miniature Network High-Speed Data Acquisition Unit (MnHSD-2000)
- Two independent PCM input channels
- Channels support RS-422 differential or single-ended TTL inputs
- Built-in programmable frame correlator for each input channel
- Operates up to 20 Mbps per channel (RS-422 differential inputs)
- Time tagging on minor frame basis per IEEE-1588
- Supports unpacked and throughput modes
- Frame lock output signals per channel
- Multiple MPCM-102N modules can be placed in a single stack
- Configurable using TTC's programmable software application

Description

The MPCM-102N is a 2-channel, PCM Module for use in TTC's Miniature Network High-Speed Data Acquisition unit (MnHSD-2000). The module has two independent PCM channel inputs. Each channel accepts RS-422 differential inputs at rates up to 20 Mbps on a per-channel basis. Both channels are also selectable to allow input on separate single-ended TTL input pins (5 Mbps maximum). The two PCM data/clock interfaces are accessible at the MPCM-102N faceplate via a single 37-pin MDM connector. The total data bandwidth of all the input modules in a system should not exceed the maximum system bandwidth.

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MPCM-102N Datasheet

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