

Swift PMC

SWIFT™ NTDS SERIAL DUAL-INPUT PMC MODULE

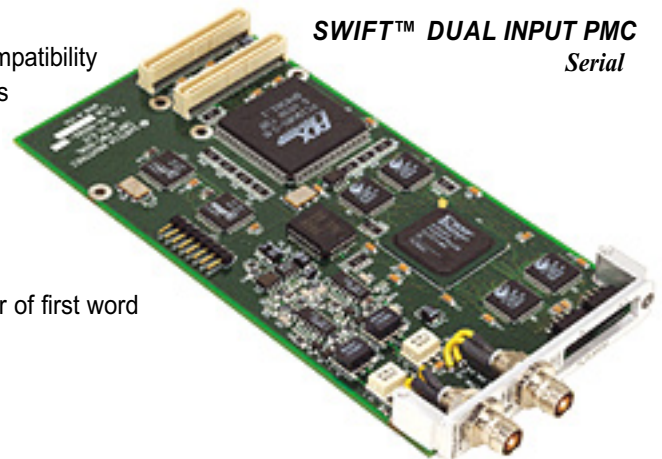
The Swift NTDS Serial Dual-Input Type D and E modules are the latest additions to the Swift family of PCI NTDS products from Sabtech. The Dual-input Swift card has two inputs with which to tap and monitor MIL-STD-1397C Types D or E I/O channels. The card occupies a single PCI Mezzanine card (PMC) slot which significantly reduces overall system cost and valuable PMC slot space.

KEY FEATURES

- MIL-STD-1397C Type D or E Compliant
- Two Input Channels (Sinks)
- Software selectable Tap Mode on either channel with control frame capture capability
- Interrupt, PIO, and DMA operation
- Field Programmable Gate Array (FPGA) Technology
- Separate word counters and time-outs for C/IW and Data words
- PCI master and slave operation
- Internal loop-back test without disconnecting NTDS cables
- Software selectable SIF with individual test enables
- Software enabled time-stamp on input words with 125 ns resolution
- Timestamps can be synchronized across multiple interfaces
- Supports receipt of multiple forced command words
- Control frame programmability for MIL-STD-1397B compatibility
- Separate or combined data and command word buffers
- Input command words, stop on data word
- Input data words, stop on command word
- Single word or burst mode
- Time-out values in 10 us or 1 ms increments
- Time-out between words and/or total transfer times
- Start timeout at beginning of operation or upon transfer of first word

SOFTWARE DRIVER:

- Contact factory for available drivers



Specifications:

NTDS Interface	MIL-STD-1397C Type D or E
Bus Interface	PCI 2.1 Compliant (Universal 3.3V or 5V I/O, 32-bit, 33 MHz)
Input Buffer	Dual 4K x 32-bit FIFO (standard) Dual 64K x 32-bit FIFO (optional)
NTDS I/O Connector	Type D: 2 coaxial connectors (Trompeter# UPJ20SL) Type E: 2 triaxial connectors (Trompeter# BJ157)
Relative Humidity	0% to 90% (non-condensing)
Operating Temperature	0°C to +55°C
Ordering Information:	
MODEL #	PRODUCT DESCRIPTION
SD-03101-00	Swift Dual Input NTDS D PMC Module, 4K FIFO **
SD-04101-00	Swift Dual Input NTDS E PMC Module, 4K FIFO **
** Also available with 64K FIFO	