



## NTDS TO FIBEROPTIC CONVERTERS

GET Engineering is proud to announce it's new MIL-STD-1397 NTDS to Fiberoptic Converters. These converters provide a fully compliant MIL-STD-1397 interface from existing legacy military computing equipment to state-of-the-art fiberoptics. Interface protocols are handled in real time, providing authentic representation of all NTDS communications through the fiberoptic interconnect. All configuration parameters are accessible through simple DIP switch settings or can be programmed through the diagnostic interface located on the front panel. These converters utilize GET Engineering's proprietary NTDS ASIC technology, ensuring the ultimate in signal quality and fidelity.

This converter enables users of MIL-STD-1397 to extended the distance over copper interconnect, provide secure (NON-EMI) connections and to enable using leading edge high speed storage area network (SAN) switch matrixes for testing and multiple redundant systems. This greatly reduces the time to reconfigure NTDS connections which due to the point-to-point topology which has traditionally been very cumbersome.

These converters plug into a standard 4U 19" chassis with multiple redundant power supplies and hot swap fans providing high availability and reliability.

### KEY HARDWARE FEATURES

- Front Panel LED for Adapter Status
- Diagnostic Connector on Front Panel
- Short Circuit protection on all Outputs
- Field Upgradeable Firmware
- Circular connectors use standard GET Engineering 80 pin high density ribbon cable interface

### KEY MAINTANENCE FEATURES

- Extensive Built-In-Test Options
- Loop-back through Fiber-optic Interface
- Loop-back through NTDS Interface
- Tri-State of NTDS Interface
- Activity LEDs to aid troubleshooting of interface
- Diagnostic messaging over fiberoptic media

### SPECIFICATIONS

NTDS Interfaces supported	Full Compliance to MIL-STD-1397, Parallel Types A, B, C & H and Serial Type D & E
Form Factor	3U Plug in card (160 mm x 100 mm)
Fiberoptic Interface	AC Version – 60 Watts DC Version – 11 Watts
Fiberoptic Types Supported	Depending upon interface
Fiberoptic Data Rate	0% to 90% (non-condensing)
I/O Connections: Rear Panel	Parallel: UYK-7, UYK-43, UYK-44, CP-642, DD78, and DD50 (others on request) Serial: BJ-89, BJ-80, BJ-79, and BJ-75
Operating Temperature	0°C to 55°C