ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Teradyne FO-1553-1* at our website: *Click HERE*

AVIONICS INTERFACE TECHNOLOGIES
A Teradyne Company

MIL-STD-1553 Fibre Optic Databus Extender

The MIL-STD-1553 Fibre Optic Databus Extender is an optical<->electrical bridge for extending a MIL-STD-1553 databus to over one mile in length. The MIL-STD-1553 Fibre Optic Databus Extender provides a low-latency mechanism for sending 1553 data through noisy environments and across long distances. The MIL-STD-1553 Fibre Optic Databus Extender is a bi-directional optical extension. Two identical units are required at each end of the optical link for bi-directional operation.

The MIL-STD-1553 Fibre Optic Databus Extender can be configured to extend one (1) or two (2) dual redundant MIL-STD-1553 databuses. Two or four twinax connectors allow easy connection to the MIL-STD-1553 primary and secondary channels. Each 1553 is selectable as transformer or direct coupling. One duplex-LC connector (with GbE SFP) is used for connection to the fibre optic link. Multi-mode, or single mode fibre may be used.

The MIL-STD-1553 Fibre Optic Databus Extender is ideal for applications where test equipment is separated from Units Under Test. These applications include flight line testing, anachoic chambers, and large simulation systems.



MIL-STD-1553 Fibre Optic Extender

Single or Dual MIL-STD-1553 Configurations

- Configurable as Transformer or Direct Coupling
- Two twinax connectors for single 1553 configuration
- Four twinax connectors for dual 1553 configuration

Fibre Optics

- One dual LC-connector packaging & LSAP distribution
- Multi-mode or Single-mode Fibre connections

Functionality

- Low latentcy of 2 usec through the extender
- 1.0625 Gbps transmission rates over fibre
- No software to configure, simple operation

Form Factor

• Small form factor:	51 x 114 x 105 mm
• Weight:	< 1 pound
• Power:	Standard 120V ac, or 7-15V dc
• Operating temp:	0º...+45º C ambient
• Storage temp:	-40º...+85º C
• Humidity:	0...95%

Ordering Information

FO-1553-1

- Single Channel MIL-STD-1553 Fibre Optic Databus Extender
- One dual redundant MIL-STD-1553

FO-1553-2

- Dual Channel MIL-STD-1553 Fibre Optic Databus Extender
- Two dual redundant MIL-STD-1553

aviftech.com/FO-1553

Avionics Interface Technologies | 14769 California Street, Omaha, NE 68154 | +1.402.763.9644 | sales@aviftech.com | aviftech.com
©Avionics Interface Technologies 2018. All rights reserved. 11-26-2019

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP