

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.

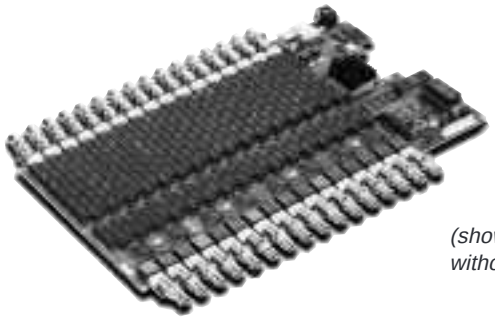
Visit our website - *Click HERE*

1553 Solutions Product Family

BusXchange™

Multiplex 1553 Bus Switch





(shown with and without enclosure)

- Connects Multiple MIL-STD-1553 Resources Across Local and Extended Buses
- Simultaneously Runs Multiple Switch Configurations Through Easy-to-Use Graphical Software
- Eliminates Time-Consuming Bus Rewiring

The BusXchange Multiplex 1553 Bus Switch complements our 1553 Solutions and other vendors' MIL-STD-1553 products by providing a virtual patch panel in a 19″rack-mountable chassis. This 16x16 crosspoint switch provides differential connections from 16 transformer-coupled Line Replaceable Unit (LRU) inputs to 16 MIL-STD-1553 differential buses. The LRUs can be any transformer-coupled MIL-STD-1553 device: bus controller, remote terminal, or bus monitor.

Although the switch supports 16 non-redundant LRUs, it can also be used with dual (or more) redundant devices. BusXchange virtually eliminates time-consuming bus rewiring between avionics simulations or test scenarios.

The BusXchange switch provides 16 LRU inputs via standard concentric twinax connectors on the front of the unit. The 16 bus output connections, which utilize the same type of connectors, are available on the rear of the unit. Multiple switches may also be connected together for more LRU inputs or bus connections.

The BusXchange switch configuration is controlled via an internal processor and associated RS-232 serial port. The operator control and status information is sent via the serial port to a control terminal or computer. LRU inputs may be selectively connected (or disconnected) from a specified bus. The internal controller ensures that each LRU is not simultaneously connected to more than one bus.

The serial port provides switch status when commanded, allowing a user to view the current switch configuration. The switch also includes a front-panel display that indicates current switch state, which is useful if the operator control device is not located close to the unit.

The BusXchange switch command set is thoroughly documented in the users' guide, allowing users to maintain control through a dumb terminal or to write separate communication software. A Windows NT®-based configuration utility is available that enables the user to control the BusXchange switch from a desktop PC without knowledge of the switch's command set.

Specifications

Hardware Compatibility:
MIL-STD-1553A/B

Physical Dimensions:*
10.275″x 17.000″x 1.720″
(260.985 mm x 431.800 mm x 43.688 mm)

*Includes enclosure with standard side panels

Electrical Requirements:
+5 VDC, 3.5 Amps

Operating Temperature:
0° to 50° C (32° to 122° F)

Storage Temperature:
-25° to 70° C (-13° to 158° F)

Humidity:
5% to 95% (noncondensing)

The BusXchange Multiplex 1553 Bus Switch was developed in cooperation with Science Applications International Corporation and the United States Air Force Research Lab, Embedded Information Systems Engineering Branch (AFRL/IFTA).

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

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