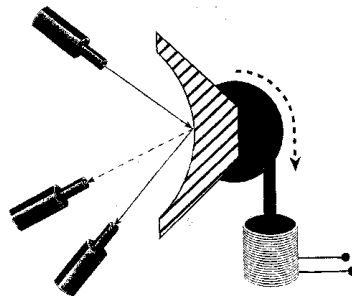


Mirror-based switches offer the highest reliability and fastest installation.

Fiber optic data switches traditionally convert an optical data signal to an electronic format for switching and then reconvert the signal back to an optical format for retransmission. This process involves complex circuitry. Products that utilize this approach often require technical procedures and advanced knowledge for configuration and installation. Market Central's mirror based fiber optic switch products operate directly on the optical signal without conversion. Reliability is greatly enhanced and installation is simplified to a true plug'n'play process. We offer this technology in single-user switches, ganged switching systems and government-validated switches used to isolate secure networks.



Fewer components = higher reliability

Our fiber optic data switches use proprietary, micro-miniature mirrors to redirect the optical data beams from a common port to one of two (or more) selected ports. The elimination of active electronics from the data paths minimizes complexity and raises the reliability of the switch dramatically, while reducing installation to the simple attachment of connectors. There is no software or other configuration needed - these switches handle all data rates and protocols right out of the box.

Fiber optic switches are available in tabletop enclosures suitable for placement on a desk and in rack-mountable enclosures, and they come in either latching or non-latching versions with additional selections for single mode and multimode fiber. Latching models retain the selected position when power fails while non-latching models "fall back" to a

predefined connection when power fails or is removed. Both latching and non-latching models continue to pass data even when power to the switch fails – something no electronics based switch can do.

Market Central shipped its first mirror-based fiber optic data switched based in 1986 and has shipped thousands since that time. The earliest of these switches would still handle the latest high-speed fiber optic signals of today, testifying to the resistance of this technology to obsolescence.

Features

- Micro-miniature mirrors operate directly on the optical data beam, and the solenoid-based approach used in these mechanisms has more than 100 years of proven reliability in the field.
- Exceptionally low component count enhances reliability
- No configuration required – supports all protocols, data rates and formats.
- Tabletop and rack mount styles for all popular applications & environments

Applications

- Primary / Backup switching and automatic failover switching for redundancy.
- Sharing of expensive or unique devices and peripherals.
- Highly secure Network Access Control.
- International Common Criteria certified switches for data sensitive government, military and civilian applications

Summary

Market Central's fiber optic switches use proprietary mirror-based mechanisms to switch optical data beams, avoiding the complexity associated with other electro-optical switches. Fewer components are used in the switch circuit, resulting in the highest reliability. These switches combine modern micro-mirror technology with a traditional



electromechanical switching mechanism to produce a sophisticated data switch that's highly reliable, simple to install and that support today's AND tomorrow's protocols and data rates. A special line of exceptionally high-isolation switches is also available that has been internationally certified to meet the requirements of military and other government users whose applications are subject to the security regulations that apply to classified information networks and systems.