FC Fiber Optic Switch A Chamber

Overview

They can be used in chambers with wall thicknesses of 5-40mm and vacuum levels up to 10-7 millibar. The feedthrough assembly consists of an M12 housing with Viton® O-ring and two SMA fibre-optic interconnects to allow easy coupling to fibre-optic cables and probes. In the computer storage field, a Fibre Channel switch is a network switch compatible with the Fibre Channel (FC) protocol. Where switches simply block or pass optical signals on individual or multiple channels, multiplexers route multiple channels out to a single fiber optic cable. Designed for labs, data centers, and high-performance networks, this switch allows a single fiber connection to access any of four separate fiber paths (A, B, C, D) without reconnecting. There are two types of optical cables, multi-mode and single-mode. Based on the bandwidth, multi-mode fibers are classified as OM1 (62.

Article Content

Jun 10, 2026

Hermetic Feedthrough

With the help of hermetically sealed optical feedthroughs it is possible to get optical signals inside vacuum and pressure chambers. The parts can withstand pressures of up to 1000 bar and a vacuum ...

Nov 09, 2025

Vacuum Feedthroughs | Fiber Optic | Avantes

These feedthroughs are designed for use with fibre optics in vacuum chambers, such as for plasma and coating deposition monitoring. They can be used in chambers with wall thicknesses of 5-40mm and ...

Mar 03, 2026

Vacuum Fiber Optic Feedthroughs | Adapter Interface

Engineered for ultra-high vacuum and positive pressure environments, our fiber optic feedthroughs are fully customizable—select your adapter interface, sealed fiber type (SM, MM, or PM), flange design, ...

Mar 03, 2026

Fiber Optic Switches, Multiplexers, Demultiplexers

Shop DigiKey''s large in-stock selection of Fiber Optic Switches, Multiplexers, Demultiplexers. View inventory, pricing and order now for same day shipping!

Jul 14, 2026

Fibre Channel switch

In the computer storage field, a Fibre Channel switch is a network switch compatible with the Fibre Channel (FC) protocol. It allows the creation of a Fibre Channel fabric, that is the core component of a storage area network (SAN). The fabric is a network of Fibre Channel devices which allows many-to-many communication, device name lookup, security, and redundancy. FC switches implement zoning, a mechanism that disable…

Oct 10, 2025

Fibre Channel Storage area Network

The FC-0 specification includes cables, connectors, and optical and electrical parameters for a variety of data rates. The FC transmission can use both electrical and optical media.

Oct 27, 2025

Model 4294 FC Simplex 4-Way Fiber Optic Switch

Designed for labs, data centers, and high-performance networks, this switch allows a single fiber connection to access any of four separate fiber paths (A, B, C, D) without reconnecting cables.

Sep 28, 2025

Fibre Channel switch

In the computer storage field, a Fibre Channel switch is a network switch compatible with the Fibre Channel (FC) protocol. It allows the creation of a Fibre Channel fabric, that is the core component of ...

Dec 19, 2025

Differences Between ST, SC, FC, and LC Fiber Connectors 2025

Learn the differences between ST, SC, FC, and LC fiber connectors. Explore connector types, PC/UPC/APC polish, single-mode vs multi-mode applications.

Nov 02, 2025

What is a Fibre Channel switch? | Definition from TechTarget

Learn about Fibre Channel switches, how they work and their benefits. Examine how FC switches differ from Ethernet switches and use cases for both.

Mar 19, 2026

Fibre Channel Transceivers: Speed, Reliability & SAN Solutions

A Fibre Channel (FC) transceiver is a specialized optical module designed to provide high-speed, lossless data transmission within Fibre Channel storage networks.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://ntmmgroup.co.za
Email: sales@ntmmgroup.co.za
Phone: +27 82 471 2596
Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town, 7441, South Africa

This document is for informational purposes only. Specifications subject to change without notice.