

Long-distance licensing for fiber optic switches



Overview

A Brocade Extended Fabrics license is required before you can implement long-distance dynamic (LD) and long-distance static (LS) distance levels. The LD and LS settings are necessary to achieve maximum performance results over inter-switch links (ISLs/IFLs) that are greater than 10. Summary: Brocade Extended Fabrics License is an optional licensed feature for the Brocade SAN deployment over distances beyond 10 km. In addition to improving reliability and performance, Fibre Channel provides the capability to distribute server and storage connections over distances up to 30 kilometers using enhanced long-wave optics and dark fiber—enabling SA business continuance. Brocade TruFOS Certificates are factory-installed certificates that are supplied with all the Gen 6 and Gen 7 platforms. Our Long-Reach Technology offers a streamlined architecture that can adapt to future needs and grow. In reality, SFP transmission distance is defined by optical design—not data rate. An SFP (Small Form-factor Pluggable) module transmits data over fiber using specific wavelengths and power levels, which directly influence how far the signal can travel before degradation occurs.



Article Content

Fiber Optic Cable Distance: A Comprehensive Guide

However, fiber optic cable performance over distance varies depending on factors such as cable type, installation

Cisco Optical Networking Solutions

NTT West and Cisco have successfully completed the world's first field verification with C+L band coherent pluggable optics over a

SFP Optical Transceiver Modules for Long Distance: A Complete

Discover everything you need to know about SFP optical transceiver modules for long-distance fiber transmission.

LC Fiber Optic Cable: A Practical Guide for Network

Master LC fiber optics with this complete 2025 guide. Learn LC fiber optic cable types, best

Frequently Asked Questions

Do they imply that single mode optical fiber should only be used for long distance applications and not in LAN environments? A:

Types of Fiber Optic and Connections

What is Fiber Optic Cable? Fiber optic cables transmit data using light pulses through strands of glass or plastic fibers. Compared to

Home -The Fiber Optic Association

This book is the textbook for FOA CFOS/D certification courses training fiber optic techs to design fiber optic networks. The topics

Set Up a Fiber-Optic Network in Your Home or Office (2026)

Learn about the various fiber-optic components used for running fiber in your house, office, or between buildings. Find

Fiber Optic Cable Buying Guide

Fiber Optic Cable Buying Guide Understand how to choose fiber optic cable by comparing single-mode vs.

Managing Long-Distance Fabrics

A Brocade Extended Fabrics license is required before you can implement long-distance dynamic (LD) and long-distance static (LS)

Long-Reach Fiber Technology for Enterprise Networks

Go the Distance with Corning Long-Reach Solutions >> If you need to extend your network infrastructure beyond the traditional 100

Specifications For Fiber Optic Networks

The Fiber Optic Association - Reference Guide Specifications For Fiber Optic Networks Per current standards and specs, maximum

What Are The Wavelength Bands Of Optical Fiber?

Optical fibers are the unsung heroes that make our broadband networks possible. These thin

Going the Distance: The Tech Behind Long-Haul Fiber Optic

Long-haul transmission uses fiber optic cables to send data quickly and securely over long distances, connecting cities

Long-Reach Fiber Technology for Enterprise Networks

With these cost-effective and reliable unmanaged long distance fiber solutions, you can achieve connectivity up to 2,000 feet or

004_TLN_AppBro_FiberReadyNetSwitch

Fiber optic cabling is increasingly used to connect network switches and other datacom equipment, especially in long-distance and

Optical Switches: Singlemode/Multimode Fiber Switch

Lfiber's optical switches (singlemode/multimode fiber switches) are micro-optic-based, opto-mechanical switches. These fiber

Fiber Optic Network Switches | Ethernet to Fiber Switches

Our Ethernet network switches with fiber ports comes in managed or unmanaged formats combined with both Industrial and

Broadband fiber optic easements: 5 lessons

What is broadband? What's the process behind fiber-optic fiber network infrastructure? Here

Fiber Optic Cable Distance: A Comprehensive Guide

Learn all about fiber optic cable distance and the key factors that affect it. Find out how to

List of Cable Distance Limits: Ethernet, Fiber, HDMI,

Optical Fiber The transmission distance of the Ethernet cable is limited, and can not solve

Unlocking the Power of Fiber Switches: A Comprehensive Guide to ...

Fiber switches play an essential role in the architecture of the latest virtual data networks, providing high capacities,

Powered Fiber Cable Solutions | Distance and Wattage ...

Optical fiber offers unmatched bandwidth and distance advantages and will undoubtedly be a key component in the networks of the

Managing Long-Distance Fabrics, Long-distance fabrics overview, In ...

A Brocade Extended Fabrics license is required before you can implement long-distance dynamic (LD) and long-distance static (LS)

DATA SHEET BROCADE EXTENDED FABRICS

Extended Fabrics software enables: Fabric interconnectivity over Fibre Channel at longer distances: Inter-Switch Links (ISLs) or Inter

Available Fabric OS Licenses

This section lists the optionally licensed features in Fabric OS software. On Gen 7 platforms, many of these features may be included

Fiber-optic Switches

A fiber-optic switch is a device used in fiber optics to route light from one or more input fibers to one or more output fibers. It can act

Single Mode vs Multimode Fiber: Which Should You Choose for Long Distance?

Learn the key differences between single-mode and multimode fiber optic cables, including distance, bandwidth, and

Fiber Optic Switch: A Comprehensive Guide

Best-fit applications: Long-haul telecom network protection switching, where 50 ms restoration is sufficient and

Managing Long-Distance Fabrics

Managing Long-Distance Fabrics This section discusses on how to manage long-distance SAN fabrics. The most effective

Fiber Optic Transmission Distance: Single Mode vs. Multimode Guide

Learn how fiber optic transmission distance varies between single mode vs. multimode fiber. Discover key factors

Long Distance PoE Networking

Optical Fiber Cable PoE Solution Optical fiber cable provides long distance, high speed, and low latency network connection. It is

Connectrix

To implement long-distance dynamic (LD) and long-distance static (LS) distance levels, a Brocade Extended Fabrics license is

Understanding Long Distance Fiber Optic Runs for New Installers

Setting up a long-distance fiber optic link involves selecting the right hardware, understanding how wavelengths affect your setup,

SFP Distance Explained: Real-World Range, Limits, and Optics

Understand SFP distance, fiber optic range, and real-world limits of SR/LR modules. Learn how wavelength, fiber

Contact Us

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

Website: <https://sdesign.net.pl>

Email: sales@sdesign.net.pl

Phone: +48 694 237 815

Address: ul. Marszałkowska 10, 00-001 Warsaw, Poland

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

