

Terminal FC Interface



Summary of Content

A terminal FC interface is a physical or virtual port used to connect servers or storage devices to a Fibre Channel SAN, enabling high-speed, low-latency data transfer.

Overview

A terminal FC interface serves as the endpoint connection in a Fibre Channel network, linking servers, storage arrays, or switches to the SAN fabric. These interfaces can be physical FC ports on switches or servers, or virtual FC (vFC) interfaces that operate over Ethernet using FCoE (Fibre Channel over Ethernet) technology . They are essential for establishing communication between N_Ports (node ports) and F_Ports (fabric ports) in the SAN.

Types of FC Interfaces

- Physical FC Interfaces
- Found on SAN switches or host bus adapters (HBAs).
- Can operate in multiple modes such as E, F, NP, TE, TF, TNP, SD, or Auto .
- Used as uplinks to the SAN fabric or downlinks to servers.
- Require proper licensing on some switches to become operational .
- Virtual FC (vFC) Interfaces
- Operate over FCoE-capable Ethernet interfaces.
- Support only F mode and function in trunk mode to carry multiple VSANs .
- Useful for consolidating FC and Ethernet traffic on the same physical link.

Article Content

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An FC switch is a Layer 3 network switch that is compatible with the FC protocol, forwards FC traffic, and provides FC services to the

FC Bus port on CGM controllers

The FC Bus port on the front of the CGM controller is an RJ-12, 6-position modular jack that provides a connection for

Configuring Fibre Channel Interfaces

Fibre Channel over Ethernet (FCoE) encapsulation allows a physical Ethernet cable to simultaneously carry Fibre Channel and

Fibre Channel (FC) interface

These modules may have Fibre Channel ports, Ethernet/iSCSI ports, or even NVMe-over-FC support. They ensure high-speed data

Understanding Interfaces on an FCoE-FC Gateway

One or two blocks of six proxy N_Port (NP_Port) interfaces to connect to FC switch fabric ports (F_Ports). Each FC

FC Bus terminal block (or N2 protocol as required) on CGM controllers ...

The FC Bus terminal block is a blue, removable, 4-pin terminal block that fits into a board-mounted pin header. When

Configuring Fibre Channel Interfaces

This option is supported only on Fibre Channel (FC) interfaces configured in F-mode. It can be configured regardless of interface

Fibre Channel

Fibre Channel was designed as a serial interface to overcome limitations of the SCSI and HIPPI physical-layer parallel-signal copper

GitHub

PDF file

Configuring Fibre Channel Interfaces - Cisco

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FTXUI Functional Terminal (X) User interface A simple cross-platform C++ library for terminal based user interfaces!

Fibre Channel electrical interface

There are various Fibre Channel connectors in use in the computer industry. Details of their pinouts are distributed between different

Contact Us

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