FC interface speed 1248



Overview

The FT1248 interface is a slave interface requiring an external clock to be supplied to any FTDI chip which has the FT1248 interface. The width of the FT1248 data bus may be configured as 1 bit, 2 bit, 4 bit or 8 bit wide. Fibre Channel is primarily used to connect computer data storage to servers in storage area networks (SAN) in commercial data centers. Cisco Nexus 5000 Series switches support up to sixteen physical Fibre Channel (FC) uplinks through the use of two. on and doubling the “wire” rate to 57. m the host controller to the module controller. This allowed gainingauto-negotiation —Automatically negotiate interface speed to match the speed of the attached link (2 Gbps, 4 Gbps, 8 Gbps). 2g —2 Gbps link speed 4g —4 Gbps link speed 8g —8 Gbps link speed routing—To view this statement in the configuration. routing-control—To add this statement to the. FT1248 offers flexibility to trade off between data bandwidth verses pin-count and can be used for a variety of off chip communication requirements.

© 2026 QK FIBER SYSTEMS - All rights reserved

Article Content

FT1248 Dynamic Parallel/Serial Interface Basics

Issue Date: 2018-05-09 This application note describes the functionality of the new FT1248 mode interface developed by FTDI. The interface allows for 1-bit, 2-bit, 4-bit or 8-bit wide data to be clocked

Fibre Channel

OverviewHistoryEtymologyCharacteristicsTopologiesLayersPortsMedia and modules

Fibre Channel is standardized in the T11 Technical Committee of the International Committee for Information Technology Standards (INCITS), an American National Standards Institute (ANSI)-accredited standards committee. Fibre Channel started in 1988, with ANSI standard approval in 1994, to merge the benefits of multiple physical layer implementations including SCSI, HIPPI and ESCON. Fibre Channel was designed as a serial interface to overcome limitations of the SCSI and HIPPI physic

Configuring Fibre Channel Interfaces

Port speed can be configured on a physical Fibre Channel interface but not on a virtual Fibre Channel interface. By default, the port speed for an interface is automatically calculated by the

128GFC: A Preview of the New Fibre Channel Speed

It would be a system requirement to find out what kind of module is plugged in by reading registers through the I2C interface when a module is detected as present.

speed (Fibre Channel Interfaces) | Junos OS | Juniper Networks

Options auto-negotiation —Automatically negotiate interface speed to match the speed of the attached link (2 Gbps, 4 Gbps, 8 Gbps). 2g —2 Gbps link speed 4g —4 Gbps link speed 8g —8 Gbps link speed

FT1248 | SoC Labs

FT1248 offers flexibility to trade off between data bandwidth verses pin-count and can be used for a variety of off chip communication requirements.

Fibre Channel Protocol

Fibre Channel''s FC-0 level describes/specifies the physical interface characteristics, including transmission media, transmitters and receivers, and their interfaces. The FC-0 level

AN_173 Establishing FT1248 Communications using a Morph-IC-II

© 2026 QK FIBER SYSTEMS - All rights reserved

This application contains the necessary HDL source files to establish two interfaces: an FT1248 communications interface between an FTDI UM232H and the FPGA of an FTDI Morph-IC-II, as well

Fibre Channel What is Old is New Again

“FC” used throughout all applications for Fibre Channel infrastructure and devices, including edge and ISL interconnects. Each speed maintains backward compatibility at least two previous generations

FCP (Fibre Channel Protocol)

Fibre Channel Protocol (FCP) is the SCSI (Small Computer System Interface) interface protocol operating on an established Fibre Channel connection. As Fibre Channel provides us with a

Fibre Channel Layers

Fibre Channel FC-0 Overview : Fibre Channel (FC) is a high-speed data transfer technology used for storage area networks (SANs). FC-0 refers to

Configuring Fibre Channel Interfaces

Physical Fibre Channel Interfaces Cisco Nexus 5000 Series switches support up to sixteen physical Fibre Channel (FC) uplinks through the use of two, optional explansion modules.

Cisco MDS 9000 Series Interfaces Configuration Guide, Release 9.x

This option is supported only on Fibre Channel (FC) interfaces configured in F-mode. It can be configured regardless of interface speed but will only be applied during link negotiation at 32

Storage Networking 101: Understanding Fibre Channel

Ethernet wouldn''t quite cut it for highly-available storage needs. FC can currently operate of speeds up to 10Gb/s (10GFC) for uplinks, and 4Gb for standard host connections. FC also provides small

Cisco Nexus 9000 Series NX-OS SAN Switching Configuration Guide ...

In Cisco Nexus devices, an FCoE-capable physical Ethernet interface can carry traffic for one virtual Fibre Channel (vFC) interface. Like any interface in Cisco NX-OS, vFC interfaces are

The Fibre Channel Roadmap

The roadmap shows the historic speeds and feeds of Fibre Channel and the future speeds up to Terabit Fibre Channel (TFC). The map also shows how Fibre Channel is used in data centers to create

© 2026 QK FIBER SYSTEMS - All rights reserved

Storage Basics – Part IV: Interface

Typical front-end interface mediums on a SAN are Fiber Channel (FC) and Ethernet. Front-end FC interfaces come in the standard 2Gb, 4Gb, or

Inside a Modern Fibre Channel Architecture – Part 1

FC-0 the physical interface (FC-0) consists of transmission media, transmitters, and receivers and their interfaces physical media, associated drivers and receivers capable of operating

Additional source notes

Fibre Channel is standardized in the of the International Committee for Information Technology Standards (), an (ANSI)-accredited standards committee. Fibre Channel started in 1988, with ANSI standard approval in 1994, to merge the benefits of multiple physical layer implementations including , and .
Fibre Channel was designed as a to overcome limitations of the SCSI and HIPPI physic…

Contact Us

Continue your research online:

Website: https://qualitykitchens.co.za
Technical inquiry: https://qualitykitchens.co.za/project-desk.html
African project coordination: Umhlanga Ridge, Durban, KwaZulu-Natal, South Africa

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 QK FIBER SYSTEMS - All rights reserved