

# Can a Fibre Channel card be used as a network card



## Overview

A Fibre Channel (FC) card, also known as an HBA (Host Bus Adapter), is primarily designed for use in Storage Area Networks (SANs). Unlike Ethernet, which is geared toward network communication, FC is specifically focused on high-speed, low-latency communication for. An Ethernet card, often called a Network Interface Card (NIC), is a hardware component that allows devices to connect to a network, typically a Local Area Network (LAN). Ethernet cards communicate using TCP/IP protocol, which is a standard suite for routing data on the Internet and most. But i would like to connect from one card to another as a simple network interface. I want it to appear in "ip addr" command This is the hardware product: IBM 00RY004 2-Port 16Gb Fibre Channel Host Bus Adapter Network Card. In addition to performing the unpacking function, of course, it can also provide a fiber interface (if it is an iSCSI HBA card is to provide a common RJ45 interface) to connect the corresponding switch; In addition, HBA can also be the same as a network. While searching for SFP 10G network adapters I often stumble upon "FC Network adapter" cards, which I do not quite understand. Fibre Channel networks form a.

## Article Content

Oct 06, 2025

Help me understand Fibre Channel : r/homelab

Fibre Channel is not ethernet. Fiber Channel is a lossless protocol, unlike ethernet which is best effort. In simple terms, FC is used to transport SCSI data between a host and a storage unit. It's basicly a

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FCP (Fibre Channel Protocol)

Fibre Channel Protocol (FCP) uses World Wide Node Names (WWNN) to identify nodes in data storage networks. These names can identify multiple

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Configuring Fibre Channel Interfaces

Each Fibre Channel port can be used as a downlink (connected to a server) or as an uplink (connected to the data center SAN network). The Fibre Channel interfaces

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The difference between fiber network card and HBA

Conclusion "Fiber NIC" generally refers to an FC HBA card, which can be plugged into a server and used as a storage switch for external storage. The

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What is Fibre Channel SAN and How Does It Work?

Fibre Channel Storage Area Network (SAN) is a high-speed network technology that provides reliable and efficient connectivity between servers and

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The Difference Between Ethernet Cards and Fibre Channel (FC)

A Fibre Channel (FC) card, also known as an HBA (Host Bus Adapter), is primarily designed for use in Storage Area Networks (SANs). Unlike Ethernet, which is geared toward network

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ethernet

Is it possible to use a Fibre Channel PCIe adapter as an Ethernet network interface? I have QLogic Fibre Channel controller and a 3Com Gigabit Ethernet switch. I use Debian on a DL160

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Fibre Channel Use Cases and Limits

Fibre Channel (FC) is a high-performance network technology primarily used for transmitting data between storage systems and servers in data centers. It

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What is Fibre Channel? History, layers, components and

Explore Fibre Channel, a high-speed networking technology for transmitting data to SANs at rates of up to 128 Gbps, design, standards, benefits,

Jan 16, 2026

The difference between fiber network card and HBA

Therefore, the usage of this device is like a network card, and many people confuse it with an ordinary network card or an ordinary fiber network card.

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Guide to Fiber Network Cards: 10G/25G/100G NIC

Whether you're upgrading a workstation, scaling a small business network, or building out a hyperscale data center, a fiber network card (NIC,

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WHAT IS FIBRE CHANNEL USED FOR?

The difference between Fibre Channel and Ethernet Ethernet is a family of data transfer protocols designed for connecting computers within a local area network

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Mastering Fibre Channel: Everything You Need to Know

Explore Fibre Channel, the high-speed protocol for seamless server and data center networking. Learn how this SAN technology connects storage

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Fibre Channel | DSM UC

Fibre Channel To start using Fibre Channel to access your LUNs, you will need to install Fibre Channel adapters on the controllers. Please go to our official website for the list of supported models and

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"fibre channel Network Adapter" are they FC, Ethernet or FCoE cards ...

They seem to have normal SFP connections, be a FC HBA and run at the expected 8Gbit FC speeds, but are also somehow advertised as "network adapters". An example for this is the "QLogic

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Differences between FibreChannel (FC), Ethernet, iSCSI and fiber

It can be used in both Fiber Channel and Ethernet technologies, as well as in telecommunications and other systems. It offers high throughput, low latency and immunity to

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"fibre channel Network Adapter" are they FC, Ethernet or FCoE cards ...

While searching for SFP 10G network adapters I often stumble upon "FC Network adapter" cards, which I do not quite understand. They seem to have normal SFP connections, be a FC HBA and run at the

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Difference Between HBA, NIC and CNA

Typically Ethernet is used for TCP/IP networks and Fibre Channel is used for storage networks. When using a CNA card, Fibre Channel is transmitted

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What Is Fibre Channel Network and How Does It Differ

What is Fibre Channel network? What can you benefit from it? This post will introduce Fiber Channel network including its main features and some

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Fibre Channel

Fibre Channel does not use 8- or 16-lane modules (like CFP8, QSFP-DD, or COBO used in 400GbE) and there are no plans to use these expensive and complex

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Fundamentals of Fibre Channel

Fibre Channel is a high-speed network technology used to connect server to data storage area network. It handles high performance of disk storage

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How do i set up a Fibre Channel HBA adapter as a network device?

Fibre Channel and Ethernet are two separate and incompatible technologies created to solve different problems. Plugging a Fibre Channel cable into an Ethernet fiber switch will just not

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Fibre Channel (FC) vs Ethernet Cards: Differences

In the fields of networking and data storage, two key components play a crucial role: Ethernet cards and Fiber Channel (FC) cards. Understanding the

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Fibre Channel 101 - Fibre Channel Industry Association

Fibre Channel (FC) is the storage networking protocol for enterprise data centers, with over 11 Million ports deployed. Fibre Channel is purpose-built and engineered to meet the demands

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Fibre Channel (FC) vs Ethernet Cards: Differences

CONCLUSION Ethernet and fiber channel cards have different functions in the IT ecosystem. Ethernet cards focus on facilitating network

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What Is Fibre Channel? | Enterprise Storage Forum

Fibre Channel is a high-speed networking technology used to connect servers and storage devices. Learn more about Fibre Channel and how it works.

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Guide to Fiber Network Cards: 10G/25G/100G NIC

A: RDMA (RoCEv2), low-latency tuning, and PTP. Conclusion Fiber network cards are no longer niche, they're central to modern servers, storage,

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Fibre Channel Fundamentals

Implementing Fibre Channel requires components already familiar to IT professionals: host cards, cables, and driver software, with optional switches, hubs, and bridges, combined in network-like

## Contact Us

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