

Where to find the core switch diagram



AI Overview

Core switch diagrams are typically found in vendor documentation, network architecture guides, and enterprise network design resources.

Understanding Core Switch Diagrams

A core switch diagram visually represents the central layer of a hierarchical network, showing how core switches connect to distribution and access layers. It highlights:

- Redundant links between core switches and aggregation/distribution switches to ensure high availability .
- Port capacities and high-speed connections (e.g., 40-GbE or 100-GbE) for backbone traffic .
- Topology types, such as collapsed core (where a high-performance distribution switch also serves as the core) or dedicated core layers .
- Failover and load balancing mechanisms, including active-active or active-passive configurations for core devices .

Sources for Core Switch Diagrams

- Vendor Documentation
- Cisco: Cisco provides detailed campus LAN core and distribution switch diagrams, including modular and AI-enabled switch topologies .
- Fortinet: Fortinet's FortiSwitch architecture guide includes diagrams showing core FortiGate and FortiSwitch units with redundant links and aggregation layers .
- Ruijie Networks: Offers diagrams illustrating core switch placement, data flow, and hierarchical connections to aggregation and access layers

Article Content

Nov 09, 2025

Understanding Core Switch: What It Is and How to Choose the Right

A core switch is not merely a type of switch but rather denotes the switch that operates at the core layer (the network's

Aug 26, 2025

Access, Distribution, and Core Layers Explained

The following image shows how the core switches connect the distribution switches. Unlike

Mar 31, 2026

FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Jul 13, 2026

Understanding Core Switch: What It Is and How to Choose the

In the realm of system networking, three key types of switches are frequently mentioned: access switches, aggregation

Sep 15, 2025

Understanding the Core Switch: Key Differences and Uses

Explore the core switch's role as the backbone of your network. Discover key differences,

Feb 14, 2026

Basic Understanding of Core Switch.pdf

A core switch is essential for enterprise networks, offering high speed, reliability, and scalability to manage significant traffic volumes.

Jul 15, 2026

S Series Campus Switches Quick Configuration Guide (V600)

On a small campus network, the S5735-L-V2 is usually deployed at the access layer, the S8700-4 is usually deployed at the core

Oct 25, 2025

What is a Core Switch | Functions and Difference over Normal Switch

It is a powerful backbone switch in the center of the network core layer, which centralizes multiple aggregation

Dec 08, 2025

Core Switch & Access Switch Connections

I want to get 2x Cisco Catalyst WS-C3750X-24T-S Switches (and stack them). ESX servers, other servers and routers

Nov 12, 2025

Solved: Core Switch

Pretty simple, you just plug the optical transceiver into the switch port for that transceiver type. Of course, this assumes

Dec 17, 2025

Campus LAN Core and Distribution Switches

Cisco Catalyst and Meraki Campus LAN core and distribution switches are scalable, secure network switches with exceptional

Sep 24, 2025

Core Switch vs Access Switch | Definitions and Key Differences

Core Switch vs Access Switch The core switch is used in the center of your network, while an access switch is placed

Oct 15, 2025

What is a Core Switch | Functions and Difference over Normal Switch

What is a core switch and how it works? This article builds the basics of this kind of switch for the ones who don't

Mar 28, 2026

What Is a Core Switch?

Explore what a core switch does, why it's essential for enterprise networks, and how to choose the right model. Includes real-world

Jun 10, 2026

What Is a Core Switch?

A core switch is the backbone of a large-scale network, designed to handle massive volumes of traffic with ultra-low latency and

Jul 27, 2025

Difference between a core switch and "normal" switch?

What's the difference between a Core Switch and a normal switch? I have 4 switches in a stack that everything connects to. This is

May 23, 2026

Core layer | FortiSwitch 7.6.0 | Fortinet Document Library

With the use of a core layer, each aggregation switch only needs 2x100-GbE links, and the core layer is the only place where you

Apr 01, 2026

Access vs. Distribution vs. Core Switch Comparison Guide

Compare Access, Distribution, and Core switches: understand their roles, features, and differences in enterprise network hierarchy.

Aug 19, 2025

How to find core switch

It will show you what switches are connected on each port. Most of the time your core will be the one where either all

Jan 11, 2026

The Ultimate Introduction to Distribution Switch

Dive into the heart of networking with our ultimate guide on the distribution switch – the linchpin of modern network

Dec 25, 2025

Introduction to Core Switch Configuration

A switch that functions as part of a router and operates at the third layer of the OSI network standard model, the network layer. The

Dec 15, 2025

Cisco switches and hubs

The vector stencils library "Cisco switches and hubs" contains 26 symbols of Cisco switches and hubs for drawing computer network

May 29, 2026

How to Choose the Right Core Switch for Enterprise Network?

Core switches lie at the heart of the enterprise networks and take the duty for high-speed routing and switching.

Aug 26, 2025

Core Switch vs. Distribution Switch vs. Access Switch

What is a Core Switch? A core switch is the primary switch installed at the backbone of a layered or hierarchical network. These data

Sep 27, 2025

Cisco Switches and Hubs. Cisco icons, shapes, stencils and symbols

Cisco switches and hubs deliver the best performance, and often used as network solutions for small businesses, enterprises, data

Sep 28, 2025

Fortiswitch Core Wiring : r/fortinet

Swapped 45 & 46 on Core2 in the X diagram up top. This way FW01 both terminate in port 45 on both cores, and FW02 into port 46

Sep 06, 2025

Core switch array card. | Download Scientific Diagram

Download scientific diagram | Core switch array card. from publication: Data Center Switch Architecture in the Age of Merchant

Nov 29, 2025

What Is a Core Switch? Network Backbone Architecture Guide

Think of a core switch as the high-speed interstate highway of your network. It does not inspect the cargo or check

Apr 03, 2026

serenalindquist99/server-core-switch-lab

This lab simulates a real-world enterprise network upgrade involving the replacement and configuration of core switches, port

Mar 29, 2026

How To use Switches in Network Diagram | Network Hubs | Core Switch ...

How To use Switches in Network Diagram Special libraries of highly detailed, accurate shapes and computer graphics, servers,

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.

