

Computer network security equipment refers to



AI Overview

Network security equipment includes devices and appliances designed to protect networks from unauthorized access, cyberattacks, and data breaches. Overview of Network Security Equipment Network security equipment consists of hardware, software, and cloud-based tools that monitor, filter, and protect network traffic. These devices are essential for maintaining the confidentiality, integrity, and availability of data transmitted across networks, especially as organizations adopt cloud services, remote work, and IoT devices, which expand potential attack surfaces. Key Types of Network Security Devices

Firewalls Firewalls act as a barrier between internal networks and external traffic, filtering connections based on IP addresses, ports, protocols, or application-level rules. They can be hardware-based, software-based, or next-generation firewalls (NGFWs), which include features like deep packet inspection, application awareness, and intrusion prevention.

Intrusion Detection and Prevention Systems (IDS/IPS) IDS monitors network traffic for suspicious activity, while IPS actively blocks detected threats. These systems help prevent malware, ransomware, and unauthorized access before they compromise internal systems.

Virtual Private Network (VPN) Gateways VPNs provide secure remote access by encrypting data transmitted over public networks, ensuring confidentiality for remote workers and branch offices.

Unified Threat Management (UTM) Systems UTMs combine multiple security functions—firewall, antivirus, intrusion prevention, and content filtering—into a single appliance, simplifying management for small to medium-sized businesses.

Web Application Firewalls (WAFs) WAFs protect web applications by filtering and monitoring HTTP traffic, defending against attacks like SQL injection, cross-site scripting (XSS), and file inclusion. They can be host-based,...

Article Content

Common Types of Network Devices and Their

Common types of network devices include repeater, hub, bridge, switch, routers, gateway, brouter & network interface card. Learn more about

Networking hardware

Networking hardware, also known as network equipment or computer networking devices, are electronic devices that are required for communication and interaction between devices on a computer

What is Network Security?

What is Network Security? Network Security protects your network and data from breaches, intrusions and other threats. This is a vast and overarching term that

Network Security Devices

The word "network security" refers to the tools, techniques, and policies used to monitor, detect, and respond to illegal network intrusions and safeguard digital assets, such as network traffic.

Computer security

One use of the term computer security refers to technology that is used to implement secure operating systems. Using secure operating systems is a good

Computer Security Flashcards

Study with Quizlet and memorize flashcards containing terms like Network Security, Firewall, IDS and more.

Security Devices in Computer Networks Unveiled

Dive into the essentials of security devices safeguarding computer networks. Explore their roles, and why they're pivotal for digital safety.

What is Networking Equipment? | Torii

A: Networking equipment refers to the hardware and devices that establish and maintain computer networks. It includes routers, switches, modems, network

Network Security

Network security protects networks and the data they carry from unauthorized access, misuse, and cyberattacks. It ensures systems remain

Top 16 Network Security Devices [Updated 2025]

A network security device is a vital tool used to protect computer networks from unauthorized access and malicious activities. It can be hardware, software, or a virtual appliance,

What is network security?

What is network security? Network security combines policies and technologies to protect systems and digital assets from unauthorized access, misuse, and

Network Security Terms And Definitions

Endpoint security refers to securing endpoints (e.g., devices like laptops, smartphones, and tablets) against threats. This includes antivirus software, endpoint detection and response tools,

Network Security Devices Explained: Types, Examples ...

Network security devices are hardware or virtual appliances designed to protect computer networks from unauthorized access, data breaches, and cyberattacks. They include firewalls, intrusion prevention

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What is network security

Get an overview of the networking technologies and products that protect your network and data. These include firewalls and security for mobile devices and wireless LANs.

Computer network

In computer science, computer engineering, and telecommunications, a network is a group of communicating computers and peripherals known as hosts, which

What is network security? Definition and best practices

Successful network security strategies use multiple security approaches to protect users and organizations from malware and cyberattacks,

Router in Computer Networks

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What Is Network Security? Definition and Types | Fortinet

Network security protects organizations' data, employees, and customers from various attacks. Discover the types of network security and how it can help

Network Security Device

Network Security Technology Concepts The network security technologies mentioned in the section above are commonly deployed at the network's border, mainly for historical reasons: the

The Most Common Types of Network Security Devices

What are the different types of network device security? While there are multiple ways to categorize the various network security components, some

What is Computer Networking?

What is computer networking? Computer networking refers to interconnected computing devices that can exchange data and share resources with each other. These networked devices use a system of

What Is a Firewall?

A primer on firewalls A firewall is a network security device that separates a trusted internal network from an external network deemed untrustworthy, such as the

Basics of Computer Networking

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Top 16 Network Security Devices [Updated 2025]

Explore essential network security devices—firewalls, IDPS, VPNs—for a robust defense-in-depth strategy to safeguard against evolving

What is IoT (Internet of Things)? | Definition from

The internet of things, or IoT, is a network of interrelated devices that connect and exchange data with other IoT devices and the cloud. IoT devices

Security Devices in Computer Networks Unveiled

What are security devices in computer networks? Security devices are specialized hardware or software solutions designed to monitor, detect, and mitigate threats to a computer

The Most Common Types of Network Security Devices to Protect

A network security device is a specialized piece of hardware, virtual appliance or software application designed to protect computer networks from threats and unauthorized access

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