

Home Gigabit Broadband Splitter



Overview

Amazon.com: Gigabit Ethernet Splitter Discover a high-performance gigabit ethernet splitter for seamless networking. Connect two devices at once and benefit.

Key Takeaways

A gigabit Ethernet splitter allows you to connect two devices to a single Ethernet port while maintaining high-speed network performance up to 1000 Mbps. How Gigabit Ethernet Splitters Work

A gigabit Ethernet splitter divides one Ethernet connection into two separate outputs, enabling two devices to share a single network cable simultaneously. Modern splitters are powered via USB and support Cat5, Cat5e, Cat6, Cat7, and Cat8 cables, ensuring compatibility with most home networks. Unlike passive splitters, powered splitters maintain stable speeds and reduce signal interference, making them suitable for high-speed broadband connections.

Key Features

- **High-Speed Transmission:** Supports up to 1000 Mbps for smooth streaming, gaming, and file transfers.
- **Plug-and-Play:** No software or configuration required; simply connect the USB power and Ethernet cables.
- **Compact and Durable:** Many models feature aluminum alloy casings for heat dissipation and long-term reliability.

- **Dual Device Support:** Allows two devices to connect simultaneously without needing additional cabling .

Popular Models

- **TP-Link EH210:** 1-to-2 gigabit splitter with USB-C power, compact design, and compatibility with multiple Ethernet cable types .
- **UGREEN 1-to-2 Splitter:** Supports dual gigabit ports, plug-and-play setup, and stable transmission with no crosstalk .
- **Duomigo 1-to-2 Splitter:** Includes USB power, Cat8 cable, and insulated modules for safe operation .
- **NETGEAR GS308/GS208:** 8-port unmanaged switches that function as high-performance splitters for multiple devices, fanless and energy-efficient .

Considerations

- **Bandwidth Sharing:** Two devices share the same 1000 Mbps line, so heavy simultaneous usage may reduce individual speeds .
- **Power Requirement:** Most gigabit splitters require a USB power source to operate effectively .
- **Alternatives:** For more than two devices or higher performance, consider a network switch, Powerline Ethernet adapters, or wireless access points, which provide multiple ports without compromising speed .

Use Cases

- Connecting a PC and gaming console to a single Ethernet outlet.
- Expanding wired connections in home offices or small apartments without running new cables.
- Temporary setups for streaming devices, smart TVs, or printers. Gigabit Ethernet splitters are a cost-effective and simple solution for expanding your home network, especially when you need to connect two devices to a single Ethernet port while maintaining high-speed performance .

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