A **MAC address**, short for **Media Access Control Address**, is a **48-bit hardware identification number** that uniquely identifies each device on a network. [It serves as a unique identifier for network interfaces, such as Ethernet cards or Wi-Fi adapters, and is used by routers and other network equipment to track connected devices1](https://techterms.com/definition/macaddress).

Here are **five free reference links** where you can learn more about MAC addresses:

1. [**TechTerms**](https://techterms.com/definition/macaddress): Provides a concise definition and explains the purpose of MAC addresses.
2. [**How-To Geek**](https://www.howtogeek.com/764868/what-is-a-mac-address-and-how-does-it-work/): Offers insights into how MAC addresses work and their role in local networks.
3. [**NetworkLessons**](https://networklessons.com/tag/mac-address): Covers topics like how switches learn MAC addresses and configuring port security.
4. [**Network Computing**](https://www.networkcomputing.com/networking/mac-address-learning-basics): Demonstrates MAC address learning basics using Cisco’s Packet Tracer tool.
5. [**ComputerNetworkingNotes**](https://www.computernetworkingnotes.com/ccna-study-guide/mac-addresses-explained-with-examples.html): Explains MAC addresses in detail, including examples of unicast, multicast, and broadcast addresses.

Feel free to explore these resources to enhance your understanding of MAC addresses! 🌐🔍