

# **LAN (Local Area Network)**

**Elementrix Classes**

# LAN (Local Area Network)

- ❑ A Local Area Network (LAN) connects computers and other devices within a limited geographical area. This could be a home, office building, school, or campus.
- ❑ LANs are designed to serve a relatively small number of users compared to other networks like WANs.



# Characteristics of LANs:

- ❑ **Limited Scope:** LANs cover a small area, making them easier to manage and maintain.
- ❑ **High Speed:** They typically offer high data transfer speeds, often reaching gigabits per second, allowing for fast file sharing and smooth communication.

- ❑ **Ownership:** A single individual or organization usually owns and manages a LAN, providing greater control and security.
- ❑ **Technologies:** Common technologies used in LANs include Ethernet (for wired connections) and Wi-Fi (for wireless connections).

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