

# Tabletop Mechatronics Smart Factory Ethernet | eLearning Multimedia

**Introduction to Ethernet Networks - W33574-AA01UEN-E1**

Objective 4: Describe the Basic Components of an Ethernet Network

**Packet Switching Devices**

Network switches are high-speed devices that receive packets and redirect them to their destination. They control network traffic and prevent data packets from interfering or colliding with each other.

Switches keep MAC address tables of every device connected to them. When a packet is received, the switch reads the MAC address and sends the packet to the correct device.

There are two types of network switches: unmanaged and managed.

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## eLearning Course: M33574

Amatrol's Tabletop Mechatronics Smart Factory Ethernet eLearning course (M33574) teaches Ethernet network communications between connected automated devices in a Smart Factory environment to efficiently control and monitor automated manufacturing processes.

Amatrol's comprehensive curriculum covers a wide variety of important network communications skills. For example, learners will study industrial networks, Ethernet network topologies, Ethernet subnets, and the basic components of industrial network security.

## Interactive eLearning

### Interactive World-Class eLearning Multimedia

Amatrol's peerless [interactive multimedia curriculum](#) utilizes text with voiceovers, pictures, videos, stunning 3D animations, and interactive quizzes and reviews that engage learners in theoretical knowledge and concepts. This thorough, detailed curriculum begins with the basics and advances to complex concepts. Through partnerships with key industry leaders and leading educators, Amatrol developed the right balance of knowledge to train learners to work in their chosen field.

## Additional Info

### Requires:

- Computer ([see Computer Requirements](#))

### Options:

- [Tabletop Mechatronics Smart Factory Ethernet Learning System - AB Micro820 \(87-TENAB82\)](#)

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