

# Ethernet Trainer

## Introduction

Ethernet is used to connect our hardware with any website & take you from real world time world to digital world. Ethernet has largely replaced competing wired LAN technologies such as token ring, FDDI, and ARCNET. The primary alternative for contemporary LANs is not a wired standard, but instead a variety of IEEE 802.11 standards for wireless connection.

## Technical Specification

- The system is based on Ethernet technology; trainer is designed to teach the basic concept of Ethernet Accessories and their working.
- Ethernet network card with RJ45 connectors 6nos
- Ethernet cable testing card with Ethernet ports 2nos
- Built in Ethernet cards for Ethernet communication
- All hardware is housed in a portable box
- Ethernet cable tester including 16nos. led
- Center processing unit raspberry pi B+
- Micro SD card to boot up the system
- HDMI port to connect and configure the system
- Audio/video, keyboard and mouse connectors
- Facility for setting and configuring the remote pc control
- The data transfer speed 10 -100 mbps
- The system will deliver with good quality aluminum frame
- Experiments User manual, software and working video tutorial.



## Experiments

- Introduction to Cable Tester
- How to make an Ethernet Cable
- How to Use Ethernet Cable Tester
- Introduction to Ethernet Switch
- How to configure Ethernet Switch



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