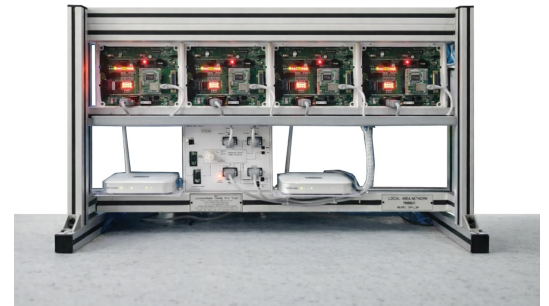


## Product Overview

The Local Area Network Trainer (BT-01LAN) is a com tabletop LAN experiment setup designed for undergraduate and technical training laboratories. The unit demonstrates multiple physical network topologies such as Token Ring, Token Bus, Ethernet (CSMA/CD), and Modbus. It also enables protocol-level exploration including TCP, IP, HTTP, FTP, SMTP, UDP, and Wireless LAN (802.11). The trainer includes error generation and protocol analysis features



## Experiment List

- Network wiring
- Topology design
- IP configuration
- Router setup
- Protocol analysis
- Packet capture
- Troubleshooting
- Socket programming

## Technical Specifications

Star topology section with 6 x RJ45 training ports (internally patched to an unmanaged switch).

Ring topology demonstration with 4 x RJ45 ports for patch-cord loop practice.

Bus topology demonstration with 6 x RJ45 ports for classroom patching exercises.

Dedicated PC-to-PC link section (2 x RJ45).

Router mounting area for DHCP/LAN/Wi-Fi demo (router can be customer-supplied).

Fiber optic demo using 2x Media Converters (SC type) and fiber patch cord.

Printed wiring reference for straight-through/crossover(T568A/T568B).

Main power switch with indicator and tidy internal wiring.

RJ45 training ports: 20 ports (configurable)

Switch:8-port unmanaged

Fiber interface: 2 x RJ45-to-Fiber media converters

(SC)+fiber patch cord...

General Operating: Temp-0 to 50°C, Power-230VAC+/-10%/50Hz,

Dimension W1-960mm (L) x 300mm (W) x 545mm(H)/Net WL. 30 Kg.

Warranty : 1 (One) Year