

LOCAL AREA NETWORK TRAINER (Model : NL - LTS)

SALIENT FEATURES

- NL-LTS offers comprehensive experiment set up consisting of 4 nodes explaining various physical topologies of LAN viz; Token Ring, Token Bus, Ethernet (CSMA/CD), Modbus etc. & variety of protocol like TCP, IP, HTTP, FTP, SMTP, Wireless LAN (802.11) etc.
- Various Protocol demonstration through generation facility using Industry standard Network Protocol Analyzer Software i.e. Wireshark.
- Set of Users Guide provided in unit.
- Table top setup made using light but sturdy Aluminum profile (4X2) Rack complete with cables, connectors. Optionally external USB to RS232 converter is provided.

Common System Specifications

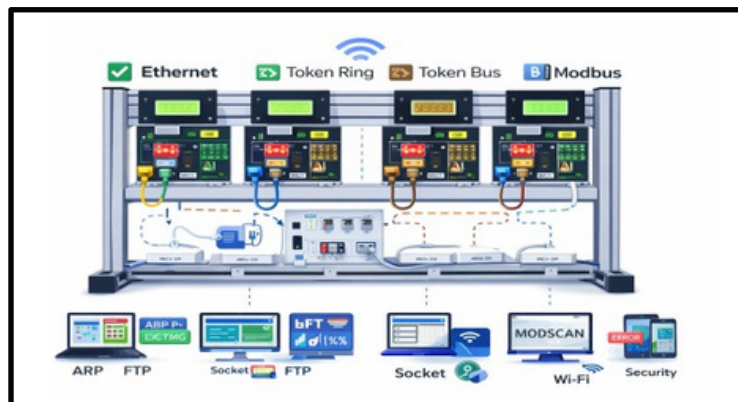
- PC Hardware: P4 / XP / Win7 / Win8 / Win10, COM & Ethernet
- Controller: 89C668 @16MHz, 8KB RAM, 64KB Flash
- Display: 20×4 LCD (Backlit)
- I/O: LEDs, Push Buttons, SPDT switches
- Power: 5V / 2.5A SMPS

Experiments Supported

- ICMP, ARP, UDP, HTTP, FTP, SMTP, TELNET, DNS
- Error generation & packet analysis
- Wi-Fi & Socket Programming (TCP/UDP)
- Separate experiments for Token Ring, Token Bus & Modbus

General

- Operating Temp: 0–50°C
- Power: 230VAC ±10% / 50Hz
- Dimensions: 960 × 300 × 545 mm
- Weight: Net 30 kg | Gross 42 kg
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Technical Specification

Parameter	CSMA/CD (802.3)	Token Ring (802.5)	Token Bus (802.4)	Modbus (Industrial LAN)
Port	Ethernet	RS232	RS485	RS485
Connector	RJ45	9-pin D	2-pin	2-pin
Cable	CAT5 UTP	D-type	RS485 + Conv.	RS485
Topology	Star	Ring	Bus	Master-Slave
Duplex	Full	Full	Half	Half
Nodes	4 / 6	4 / 6	4 / 6	4 / 6
PC Software	Analyzer	Monitor	Monitor	MODSCAN
NIC	RJ45	RS232	RS485	RS485