

Product Name :
LAN Trainer System

Product Code :
EC845



Description :

LAN Trainer System

Technical Specification :

LAN Trainer System

Understanding of Local Area Network (LAN) training system.

Understanding of Local Area Network (LAN) provides the understanding of all the fundamentals of networking. It helps the users to gain knowledge of all network layers, cable designing and building of a complete network of computers.

The users can understand and actually implement various topologies using different standards given by IEEE. Actual connections can be made in different topologies and data can be transferred. The users will understand the protocols, topologies used in networking, measurement of error rate, throughput and effect of errors on protocols. The versatile software provided with assist the users to observe the various effects and configurations on a network along with the graphical representation.

Understanding of Local Area Network (LAN) is an ideal teaching aid to enhance education, training, skills & development amongs our young minds.

Product Features:

PC to PC communication with IEEE 802.3

Peer to Peer network

Client - Server network

Design of Star topology using 100Base-Tx

Design of Bus topology using 10Base-2

Design of Ring topology using DB9

Simulation of Distance Vectors and Link State Algorithms
Socket Programming exercise for LINUX Encryption/Decryption Technique User can send any file over LAN.
Detailed introduction to TCP/IP Model (4 Layer Model)
Video Tutorials for software operation
Creation of cables for network connections
Network design using RJ45 & DB9 connectors
Socket programming and processing
Wireless LAN with 803.11b/g
Network monitoring
Various LAN Protocols
Data rate up to 100Mbps
Variable packet size
Variable packet delay
Error generation (Manual and Auto)
Color coded real time graphical representation of entire transmission & reception
Graphical Analysis of LAN performance with various parameters and protocols Save / Print option for graphs
User friendly software
Switch faults in both hardware & software
Exhaustive course material & references
On Board Touch Switch
Local Area Network Trainer

Features:

Comprehensive experiment setup explaining various physical topologies of LAN, viz. Token Ring, Token Bus, Ethernet (CSMA / CD), Modbus, etc. and variety of TCP, IP, HTTP, SMTP, etc.
Protocol demonstrator through error generation facility sans socket programming Table top setup using sturdy aluminium profile flat demo rack.
Complete with cables, connectors, RS 232 to RS 485 converter, etc.
Types of LAN:
Token Ring IEEE 802.5
Token Bus IEEE 802.4
Modbus (Industrial LAN).

Naugralabequipments

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