

Product Name :
Wide Area Network (WAN) and Internet Training System

Product Code :
SH331



Description :

Wide Area Network (WAN) and Internet Training System

Technical Specification :

Wide Area Network (WAN) and Internet training system

Network details

Indication of computer name, IP address, Port number, status of network, MAC address and operating system on computer.

Graphical representation

Graphic representation of Data on software screen with differentiation of packet to be transmitted, packet being transmitted, packet transmitted with acknowledgment, packet with acknowledgment lost error, packet with bad packet error and packet which is discarded or resend.

Measurement and plotting

Error rate calculation, Throughput calculation

Protocol analysis

Indication of packet serial number, file name, file size, file number, receiver name, workgroup, receiver IP address, current packet, total packets, packet length, delay, protocol, topology, receiver MAC address, port number, packet send time, acknowledgment receive time, inter packet delay, data rate (MBPS), number of resend packets, acknowledgment value

Network analysis

Indication of packet serial number, file name, file size, file number, receiver name, work group, receiver IP address, total packets, packet length, time out, protocol, topology, receiver MAC address, port number, file send start time, file sent completion time, transmission time, data rate (MBPS), error.

Multimedia based interactive e-manual

Technical Specification:

TC75-MS: Structure of a WAN The module includes:

The module includes:

The block diagram of the structure of a WAN.

The diagrams of the levels of the OSI model used in internetworking. The connectors for the connection of the routers to the WAN.

TC75-DR: Router (Quantity two) Serial type

WAN interface V24/RS232.

RJ-45 or RS-232 port.

Internetworking Operating System.

Experiments:

Study of network topologies

Study of Ethernet LAN and Wireless LAN

Study of data encryption and decryption

Implementation and study of stop and wait protocol

Implementation and study of go back to n protocol

Implementation and study of selective repeat protocol

Study of token ring and token bus protocol

Study of sliding window protocol

Study of CSMA / CA protocol

Study of CSMA / CD protocol

Measure of throughput and the effect of bit errors on various protocols

Socket programming.

Naugralabequipments

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