NEW
FAST ETHERNET LAN TESTING

LANMASTER™ 25
LINK TESTER

FAST ETHERNET TEST TOOL FOR
MANAGING AND MAINTAINING NETWORKS

- Verify Link Operation
- Identify LAN Equipment Configuration - Speed, Duplex Mode and Auto-negotiation
- Warn of Duplex Mode Mismatch
- Transmit Link Signals to Identify Connected Hub or Switch Port
- Generate Tone Signal for Tracing Cable Runs

LANMASTER LINK TESTER

The LANMASTER 25 Link Tester from Psiber Data Systems provides LAN Installers and Maintainers a tool to quickly test Fast Ethernet (100baseTX) and Standard Ethernet (10baseT) Links. The Model 25 decodes Link signals and displays the exact configuration of the equipment connected to the Link, verifies Link connectivity to the far end, tests for reported faults and determines correct polarity of the outlet or cable. In addition, the LANMASTER 25 transmits Link signals for identifying the hub or switch port connected to the outlet being tested. When no Link signals are detected, it automatically generates a tone signal for tracing cable runs with a standard tone probe. The Model 25 warns the user of potential duplex mode mismatch when a hub, switch or NIC is transmitting a Link signal with an ambiguous duplex mode. Knowing equipment configuration and capabilites are essential to optimizing network system performance.

psiber

TEST ACTIVE LAN SEGMENTS

Network Administrators and Technicians are continuously involved in Moves, Adds and Changes (MACs) that require connecting new or different hardware to the existing Local Area Network. The LANMASTER 25 identifies the speed and duplex mode of equipment connected to a Link. Hub/Switch (managed or unmanaged) and NIC configuration is displayed without running special software, finding manuals or opening hardware to verify DIP switch settings. Wallplates with multiple outlets are rapidly tested for "live" links and far-end Fast Ethernet compatibility. The LANMASTER 25 even transmits Link signals back to the far-end to identify the Hub or Switch port connected to the outlet under test.

MANAGE NETWORK CONFIGURATION

Fast Ethernet equipment provide new capabilities that are configured during installation or operation. Auto-negotiation can be disabled, half or full duplex mode can be forced on continuously or the data rate (10 or 100Mbps) can be manually selected. Duplex mode mismatch is a major cause of poor network performance due to collisions, timing errors and excessive retransmissions. The LANMASTER 25 warns the user when a potential duplex mode mismatch is present. Tracking the current configuration for installed equipment is a time consuming network management task. The LANMASTER 25 provides critical equipment configuration information in seconds.

MOST NETWORK FAILURES ARE PHYSICAL LAYER PROBLEMS

The LANMASTER 25 is used on active networks to verify signals are actually being transmitted on the Link. Time spent troubleshooting node and segment problems is greatly reduced once physical layer connectivity has been verified. In addition, the LANMASTER 25 shows wiring polarity so that you know if you are connecting to the network or a node and has a tone generator feature for tracing non-operational cable runs.

Managing and maintaining high speed networks with the Model 25 Link Tester is simple and at a price that fits even the tightest budget.

Test Features

* Two or more illuminated indicates auto-sensing/auto-negotiation capability.

Specifications

Physical Characteristics

Dimensions: 6.8 in. x 1.4 in. x 1.3 in.
173 mm x 36 mm x 33 mm
Weight: 4.0 ounces
114 grams

Power Supply

One 9 volt alkaline battery

Environment

Operating Temperature: 0° to 50°C
Storage Temperature: -10° to 55°C

Network Types

100baseTX (IEEE 802.3u)
10baseT
(Not for use with 100baseT4 equipment)

Connector Type

RJ-45

Cable Types

UTP/STP

Product design and specifications subject to change without notice.

Ordering Information

LANMASTER Model 25 Link Tester
Includes: Female-to-female RJ-45 coupler
9 volt alkaline battery

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