Sniff Out Trouble FAST!

frontline™ www.fte.com

Ethertest™

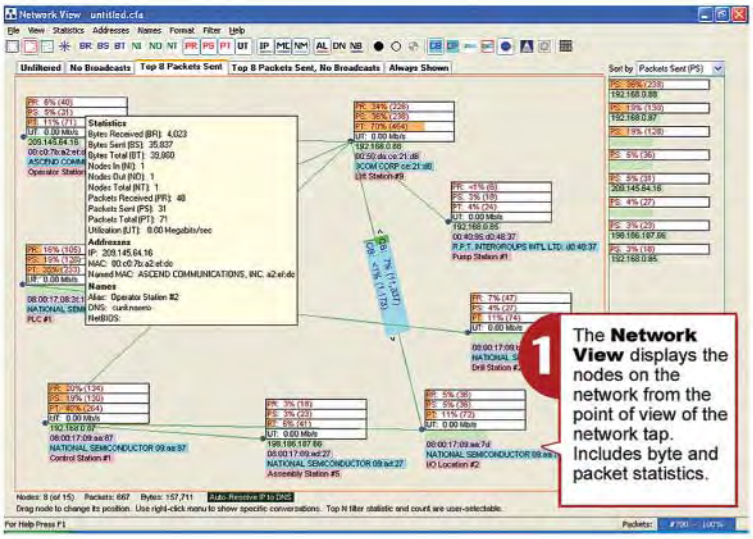
PC-Based Ethernet LAN Analyzer

NEW NETWORK VIEW

Monitor, Isolate, Identify

Turn any Windows desktop or notebook computer into a powerful Ethernet LAN analyzer. Frontline's Ethertest software lets you monitor and troubleshoot 10MB and 100MB networks.

This feature-rich protocol analyzer offers a suite of protocol decodes and a comprehensive array of network statistics which are in demand today by communications and network professionals. In applications ranging from finance to manufacturing, high-speed Ethernet networks are displacing slower-speed serial data communication networks as the solution of choice to interconnect instrumentation and equipment such as meters, gauges, sensors, transaction terminals, factory equipment, and other networked devices.



Node Statistics

Ethertest's new Network View enables you to see statistics on specific nodes including communications traffic details and node information for active nodes on the monitored side of the switch.

Individual Active Node Information

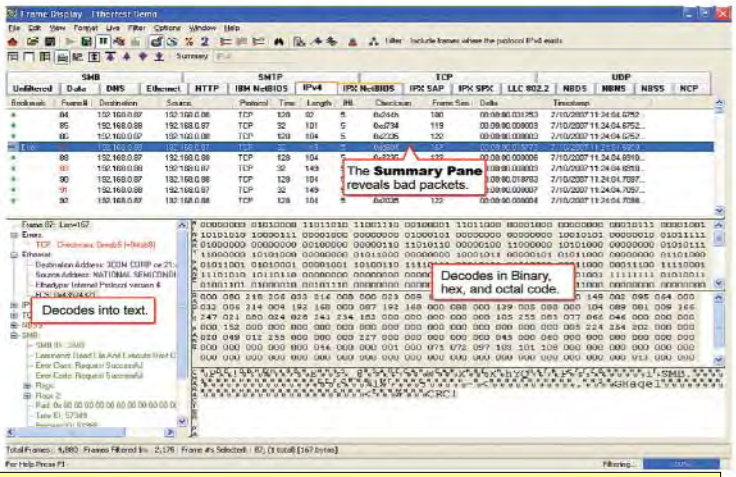
- Packets Transmitted and Received
- Bytes Transmitted and Received
- DNS Names
- Nodes In and Out
- Utilization Information
- Broadcast Information
- IP Address and MAC Address
- Named MAC Address
- NetBios Name
- Assigned User Friendly Names for each Node

Ethertest is a passive and easy-to-use network monitor that helps less-skilled troubleshooters understand what is happening on their communications networks. The **Network View, Statistics Display** and **Frame Display** are intuitive, easy to read, and quickly provide a wealth of information about the network. Although Ethertest is simple to work with, it does provide a level of sophisticated and detailed information demanded by today's network specialist.

Protocol Decoding

The detailed information in the **Frame Display** window is presented clearly and with as much, or as little, detail as you need.

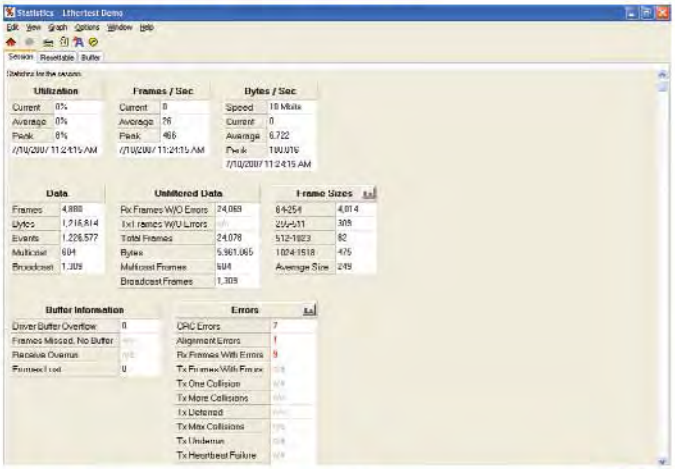
- Summary Information for Messages Sent and Received
- Message Frame is Decoded into Text
- Protocol Errors Identified with Red Frame Numbers
- Message is Shown in Binary, Octal, Hex and ASCII
- Capture Filters Limit the Amount of Data Captured
- Display filters include: Pre-Set Filters, Node Information Filters, User Defined Complex Filters
- Side-by-Side Comparisons with Multiple Display Windows
- For Custom Decodes use the included FrameDecoder® Development Kit



Network Statistics

Three selectable views – Session, Resettable and Buffer Statistics Display Information

- Network Utilization (Current, Average & Peak)
- Frames and Bytes per Second
- Communications Data Breakdown
- Frame Sizes
- Types and Numbers of Errors



The Frontline Edge

Trusted Worldwide By:

- **Field Engineers**
- **Software & Hardware Developers**
- **Communications Specialists**
- **Network Supervisors**

Outstanding Technical Support

Whether you need help using a basic FTE product feature, want Frontline's explanation of the protocol stack, or have a question on using FrameDecoder to write a decode, you can be assured of a response that is friendly, thorough, and timely.

Trusted Expertise & Unequaled Protocol Analysis Experience

Frontline is a proven leader in the protocol analyzer industry. In business since 1985, we have developed a host of technology sniffing tools and have shipped units around the globe. Frontline Test System® (FTS®) protocol analyzers incorporate a time-tested user interface and the FrameDecoder protocol-decoding engine. FTS analyzers support serial, Ethernet, *Bluetooth*, USB, ZigBee® and numerous industrial protocols and buses such as Modbus, DH+, and DeviceNet.

Guarantee & Free Premium Maintenance

Use Ethertest for up to 30 days. If you are not convinced it is the best data analyzer for your application, you may return the product for a full refund. One year of Premium Maintenance is included. Ethernet data moves fast—with Frontline products so can you!

Premium • Maintenance

Ethertest: Built for Troubleshooting

Ethertest Features

- **Data Rates –** Supports 10mbps and 100 mbps Ethernet.
- **Statistics –** Current, average, and peak utilization; current, average, and peak frames/second; current, average, and peak bytes/second; number of frames, bytes, multicast frames, and broadcast frames, frame size description and average frame size; total number of frames with errors; number of frames with alignment errors, number of frames with CRC errors (not all NICs provide CRC error information).
- **Protocol Decodes –** TCP/IP (including ARP, RARP, DNS, HTTP, ICMP, IGMP, NBDS, NBNS, NBSS, SMTP, UDP) IBM NetBIOS (Windows networking); SMB, Novell NetWare (including IPX, SPX, IPX NetBIOS, IPX RIP, IPX SAP, NCP); ISO CLNP; custom using FrameDecoder® option.
- **Data Capture –** Capture to RAM or directly to disk with no file size limit.
- **Filters –** Capture and display. Node and node pairs using MAC or IP addresses; protocol; data pattern; advanced mode for complex filters. Unique "drill down" displays.
- **Set filters on specific packet fields**, including node addresses and frame type.
- **Timestamping –** Each frame is timestamped after it is received to a resolution of one microsecond.
- **File Formats -** Import Sniffer type 1 (.enc), Shomiti, and Snoop (Sun Snoop) files to take advantage of Ethertest's superior decode, display, and filter capabilities.

PC Requirements

- Windows XP
- 512 MB RAM
- 1GHz Pentium PC or equivalent
- 50 MB Hard Disk Space *(capture file size is limited by disk space.)*
- Network Interface Card: Any Windows compatible NIC.
- Product performance is effected by PC speed.

We're ready to answer any questions or take your order. Buy direct at **www.fte.com** or in the U.S. & Canada, call 1-800-359-8570 ext. 211. Your satisfaction is guaranteed!

Other Fine Frontline Products

FTS4BT: This wireless sniffing tool is the **world's only *Bluetooth*® v2.0+EDR analyzer.** In this complex and ever-changing environment, Frontline leads the way in finding and fixing bugs to increase sales opportunities. Includes two years premium maintenance and finger-sized hardware. *Bluetooth* technology moves fast. *With Frontline, so can you.*

FTS4ZB: An **Industrial Strength protocol analyzer** that shortens developer time to market. It simplifies understanding ZigBee® networks by simultaneously capturing, decoding, displaying, filtering, and detecting errors—all live and in real-time. Hardware and one year of maintenance included.

FTS4USB: Use simultaneous points of observation to **sniff USB data inside and out.** Physically tap the circuit or use SPY MODE on your test PC. Versatile viewing combinations allow you to quickly isolate hard-to-find bugs. Hardware and two years of updates come standard.

FTS4Control: Reduce downtime and increase production on industrial control and SCADA networks by fine tuning **before** critical breakdowns occur. Finally, the right tool for protocol, data, and real-time analysis. With this one package with a library of protocol decoders, we've got the fix your system needs. Maintenance is included, but hardware is sold separately. *So don't wait, Get Control.*

Serialtest: The price-to-value leader in PC-based, asynchronous serial communication analysis. Includes a host of standard decodes and now, by customer demand, Modbus RTU & ASCII. *Serialtest just got supersized!*

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