

Ethertest ComProbe®

A Non-Intrusive, Aggregating and Portable Ethernet Tap

Ethernet Comprobe Features:

- **Captures and aggregates bi-directional Ethernet data:** No need to install and set up multiple NIC cards or deal with separate capture files for each direction. All the data is in one source.
- **Invisible to the network:** The Ethernet ComProbe is completely invisible to the network. Information is sent to the analysis machine via USB. Does not interfere with auto negotiation/speed or duplex settings.
- **Guarantees Network Connectivity:** The "Permanent Network Link" feature ensures that your network connection will never be interrupted even if your analysis PC's power fails or the USB port is disconnected.
- **PoE Compatible:** Forwards PoE power to end devices.
- **NetDecoderTM and EthertestTM software compatible:** You can fully leverage the power of Frontline's software analysis tools using the Ethernet ComProbe
- **Compatible with Wireshark:** Also compatible with the free, open-source Wireshark protocol analyzer.

Power and Simplicity

There is power in simplicity and Frontline delivers both in their newest Ethernet tap: the Ethernet ComProbe. Ethernet professionals know the potential headaches involved in troubleshooting network issues. Even just capturing packets, good and bad, across network devices can be a chore. The analysis devices themselves become part of the network and add complexity to the network analysis process.

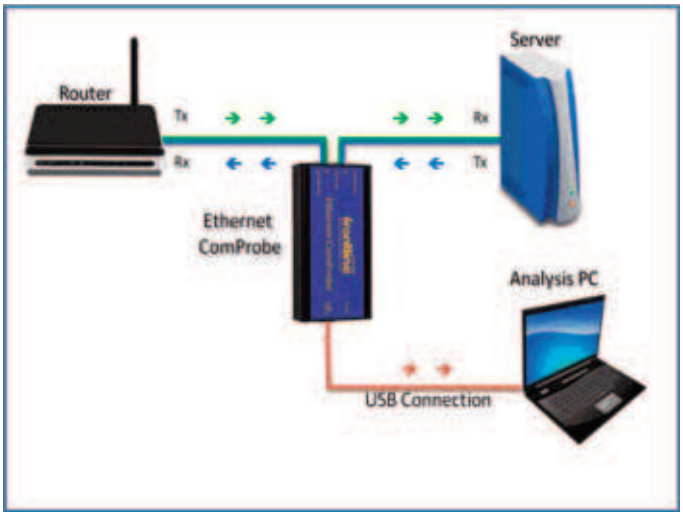
Frontline's Ethernet Comprobe Ethernet tap comes to the rescue. It is completely invisible to the network, fully bi-directional, and all in a box the size of your palm!

Invisibility and Bi-directional Captures

The Ethernet ComProbe captures and aggregates bi-directional Ethernet data and sends it to the analysis PC via a single USB port. The Ethernet ComProbe is non-intrusive and completely invisible to the network. The Ethernet ComProbe and the analysis PC do not show up as a nodes on the network, but they see everything flowing in both directions across the wire.

The Ethernet ComProbe tap captures both good and bad (or broken) Ethernet frames. Regular network interface cards (NIC) discard bad frames. Without Frontline's Ethernet ComProbe you would not be able to see these broken frames.

Frontline's Ethernet ComProbe tap uses USB power during data capture and there is no need for an external power supply. The tap guarantees network connection even without USB port power. It delivers comprehensive, bi-directional, aggregated Ethernet data for ALL packets passing through the network.



SPECIFICATIONS

Performance

- Supported Speeds: 10/100 Mbps Ethernet
- Operating Systems: Windows 7, 8.1, and 10 (32-bit & 64-bit)
- The performance of the monitoring depends upon the performance of the analysis PC and the number of USB devices attached to the analysis PC.
- The Ethernet ComProbe is transparent and non intrusive.
- Also without the USB port connected the network connectivity is guaranteed.

Connectors

- Two 10/100 RJ45 Ports (network ports)
- One USB 2.0 port (monitoring captured data)
- If the other equipments are not auto MDI/MDIX the device must be connected with a cross and a straight cable.
- The USB cable must be a USB 2.0 certified cable. The cable should not exceed 5m.
- CAT5e cable for the RJ45 ports

LED Indicators

- Front: Two for link/activity and Two for CRC error indications
- Back: One for USB power

Physical Specifications

- Dimensions: 0.96 x 4.09 x 2.17 inches (24.5 x 104 x 55.2 mm)
- Weight: 4.93 ounces (140 g)
- Power Consumption: 250mA in USB 2.0 High Speed and 150mA in USB 1.0 Full Speed
- Power Requirements: No External Power required; Powered by USB while capturing data

Operating Conditions

- Operating Temperature: 32°F to 131°F (0°C to 55 °C)
- Storage Temperature: -4°F to 158°F (-20°C to 70 °C)
- Humidity (non condensing): 10 to 90%

Certifications

- RoHS Compliant and CE certified

PoE Compatibility

- The tap forwards PoE power to the end devices

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Using the Ethernet ComProbe is a Breeze

To use Frontline's Ethernet ComProbe, simply install Frontline's NetDecoder or Ethertest on your analysis PC. The Frontline CD includes the drivers and the "Quick Start Guide" to help you get started. Follow the simple set up process and you will be ready to go in a few minutes.

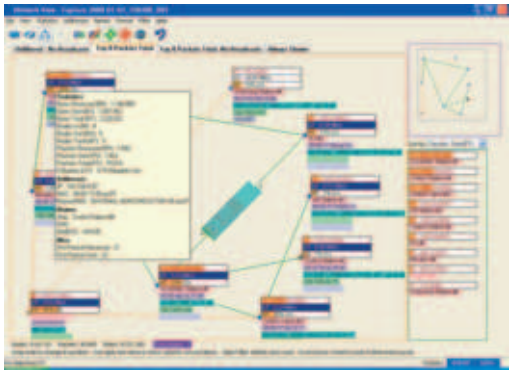
To start capturing Ethernet traffic unplug one end of the Ethernet cable and plug it into the Ethernet ComProbe. Use the supplied Ethernet cable to reconnect the Ethernet device to the network and you are done. Then with the analysis PC connected via USB port you can begin capturing live Ethernet data. It's that simple.

NetDecoderTM and EthertestTM Highlights:

Frontline's NetDecoder and Ethertest analyzers monitor and provide detailed timing, data and messaging information for Ethernet networks. To aid network diagnostics this information is organized in various views and displays: Network View, Dashboard View, Frame Display, Event Display, and Network Statisitics.

Network View

- Traffic flow at all Nodes
- Packets/Bytes Transmitted & Received
- Utilization/Broadcast Information
- IP/MAC Addresses
- Assign User Friendly Names for each Node



Dashboard View

- Network Utilization Histogram
- Meters for Utilization, Bad Packets, Top Talker
- Network Alarms for Unauthorized IP Addresses/ Applications
- Email Notification Option for Alarms



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