GIGABIT OBSERVER®

GIGABIT OBSERVER OFFERS A COMPETE SOLUTION FOR WIRE-SPEED, FULL-DUPLEX, GIGABIT ANALYSIS

AT A PRICE THAT FITS ANY ADMINISTRATOR'S BUDGET

The Gigabit Observer® Suite System contains both the hardware and software required to provide wire-speed analysis in a full ruggedized luggable format to meet any high-end network administrator's needs.

Gigabit Observer Suite System

The Gigabit Observer Suite System includes gigabit and 10/100 interfaces for complete, wire-speed, full-duplex packet capture, network statistics, trending, real-time expert, Web-based reporting and an SNMP management system for your gigabit devices.

The luggable portable analyzer includes an integrated copy of the Observer Suite, Network Instruments 64-bit PCI wire-speed, full-duplex gigabit adapter, as well as all required cabling and either an optical (SX or LX) or copper splitter. The luggable is a fully ruggedized dual processor system with a 15" active matrix display, 512MB RAM, HD and CD, keyboard and mouse, and Windows® 2000 Professional.

- **Full-duplex, wire-speed** gigabit capture and statistics
- **Gigabit analysis** and real-time Expert system
- **See an independent view of your gigabit data flow** - not dependent on switch port redirection
- **Completely passive analysis option** – will not interfere with your gigabit data flow
- **Insert and remove the analyzer** without disruption of gigabit network
- **Full Support** for jumbo frames

The gigabit analyzer's functionality includes full-duplex, wire-speed gigabit analysis for optical (fiber) SX and LX networks, as well as the emerging gigabit over copper standard. To achieve full-duplex capture, all versions of Gigabit Observer include a splitter that provides a copy of the gigabit signal to Observer, while maintaining the gigabit signal through the network connection. Splitters are added to the gigabit connection and the analyzer (or Probe) can then be attached or removed without interruption of the gigabit signal. In the case of gigabit over fiber (i.e. optical) networks, the splitter is 100% passive, and does not interfere with the gigabit data stream. In the case of gigabit over copper, the splitter electronically records and duplicates copies of the gigabit signal – one to be passed on to the network, and one for the analyzer. In both cases, the analyzer is completely passive, and cannot interfere with the gigabit network flow.

The hardware that drives the Gigabit Observer Suite System is based around a dual receive gigabit adapter Network Instruments manufactures specifically for the purpose of wire-speed, full-duplex network analysis. The combination of the new 64-bit PCI standard, Network Instruments optimized drivers, and a dual processor system, the Gigabit Observer Suite System can provide full gigabit analysis functionality without deviating from any industry standards.

Main Screen

NETWORK INSTRUMENTS®

www.NETWORKINSTRUMENTS.com

GIGABIT OBSERVER

System Requirements

The Gigabit Observer Suite System is a complete analyzer which includes a copy of the Observer Suite for gigabit and does not require any additional hardware or software.

Fully-Distributed Via Optional Hardware- or Software-Based Probes

Probes can connect to any Gigabit Observer Suite System, and allow you to monitor remote LAN/WLAN/WANs through any Observer console.

Hardware-based Probes are specific to administrators that require wire-speed, full-duplex gigabit capture, analyzation, trending and statistics. Software-based Probes are appropriate for network speeds up to 100MB and are a good solution for monitoring low utilization gigabit networks via a tap port on a switch. Either can be configured to report back to the Gigabit Observer Suite System console.

Hardware-based Probes come in two formats. Each option provides full-duplex, wire-speed gigabit for optical SX/LX and copper gigabit networks.

1. Probe Kit including 64-bit PCI gigabit adapter, Probe software, all required cabling, and an optical or copper splitter.

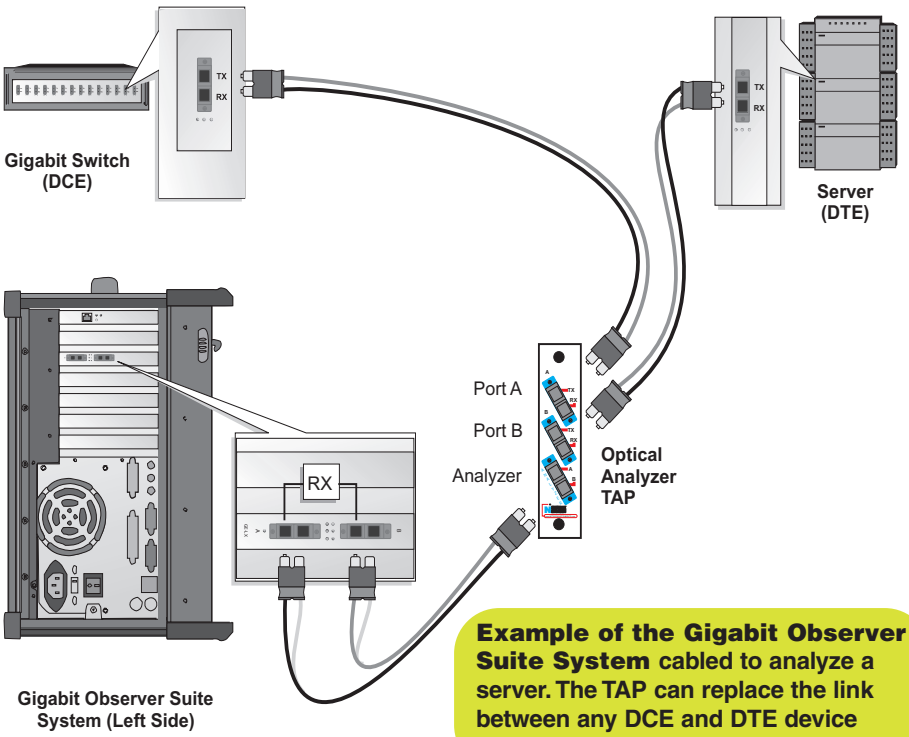
2. 19" Rack-Mountable Complete Probe integrates the above Probe Kit into an industry standard dual Pentium rack system configured and ready for wire-speed, full-duplex analysis.

Each Probe Kit or Rack Mountable Probe can monitor one gigabit link.

Software-based Probes can operate in either Advanced or RMON mode, and can be installed as either. For NT/2000/XP, either Probe can be run as a service. Additionally, Probes can run unattended, collecting network statistics for later retrieval by an Observer console.

The Advanced Probe—Offers a superset of RMON functionality. The Probe software runs on a standard non-dedicated Windows 98/NT/2000/XP PC and requires no additional hardware.

The RMON Probe—An industry-standard RMON 1/2 compliant Probe application. All 19 RMON groups are supported with full adherence to all RFCs. RMON Probes can support up to 10 interfaces. A Probe running in RMON mode can report to any RMON or SNMP management console that supports RMON 1/2.



Example of the Gigabit Observer Suite System cabled to analyze a server. The TAP can replace the link between any DCE and DTE device or connection.

NETWORK INSTRUMENTS®

Gigabit Observer is available from:

Corporate Headquarters:
Network Instruments, LLC
Fourth Floor
8800 West Highway Seven
Minneapolis, MN 55426 USA
(800) 526-7919 Toll Free
(952) 932-9899 Voice
(952) 932-9545 FAX

European Office:
Network Instruments Ltd.
Brewery House
Black Eagle Close
Westerham TN16 1RG
UNITED KINGDOM
+44 (0) 1959 569880 Voice
+44 (0) 1959 569881 FAX

info@networkinstruments.com

www.NETWORKINSTRUMENTS.com