Networks break. Be ready.

First responders to network emergencies rely on the EtherScope Series II Network Assistant when it’s time for action - a handheld, portable network analyzer combining essential tools that help network professionals quickly solve the wide range of problems they encounter - 10, 100 and Gigabit, twisted pair and optical fiber, LAN and wireless LAN.

EtherScope™ Series II Network Assistant
Helping first responders solve network problems fast.
Spot problems quickly so you can solve them even faster

Like any invaluable assistant, EtherScope helps you do your job better. And more efficiently. That means more time for your critical IT projects and higher network uptime. Consider, for example:

- **Test at Gigabit speed over twisted pair and optical fiber LANs.** Test the network you have today and prepare for the future with the full-duplex 10/100/Gigabit copper and Gigabit fiber optic interfaces.

- **Wireless network visibility.** Today’s mixed wired and wireless networking environments demand an analyzer with like characteristics. EtherScope provides vision into 802.11a/b/g WLANs so you can troubleshoot problems on both sides of the access point.

- **Get the big picture so you can fix it and move on.** You can’t solve the problem until you get a feel for key network services. That’s why EtherScope lets you locate, view and store 1,000+ network devices in the on-board database and then dig deeper on any one of them to see its configuration and status.

- **Prevent tomorrow’s problems.** EtherScope quickly delivers vital network stats and lets you analyze performance trends. Automated documentation with easy-to-read baseline data reports help you optimize your network and prevent future problems.

- **Test performance across your enterprise network.** The Internetwork Throughput Option (ITO) enables IP performance testing for deployment and maintenance of enterprise networks. Verify the available bandwidth between two points in a network at speeds up to 1000 Mbps, or simulate the impact of additional network users or applications.

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**Gigabit Network Vision**

If only the rest of your job went as smoothly as it does when managing and organizing discovered devices with EtherScope. For example, EtherScope identifies VLANs configured on discovered switch interfaces and then allows you to drill-in to see interface status and connected host details. Discovered devices are organized by IP subnets, NetBIOS Domains and IPX networks. And EtherScope’s powerful Nearest Switch feature quickly tells you where you’re connected to the network and speeds you on your way by helping you see the network information you need.

**From traffic analysis to real-time problem detection, EtherScope saves you precious time**

From the moment you plug EtherScope into your network, it starts testing and displaying real-time diagnostic results of devices, networks and problems. Intuitive menus make navigation easy and allow you to find exactly the information you need – be it traffic analysis (with utilization history, protocol statistics, and top talkers), device or network discovery, switch diagnostics, performance testing or cable infrastructure verification.

**Physical layer analysis**

The physical layer is the foundation of your network. Locate cables, identify cabling faults and distance to breaks, and measure the optical loss of fiber links. Verify Ethernet signaling. Solicit and measure the DC voltage of 802.3af Power over Ethernet (PoE) links.

**Gigabit fiber ready**

Expand network visibility to include 1000BASE-SX/LX/ZX fiber optic links with optional SFP transceivers. Analyze your LAN or measure the throughput across your optical fiber network with a pair of fiber-equipped Series II EtherScope units.
Solve network problems faster with EtherScope Series II Network Assistant.

Wireless Network Vision
You need visibility into RF signal strength and quality when clients report problems with the wireless network. Wireless EtherScope provides comprehensive measurements of the 802.11 signal and noise in the environment, as well as packet level information to identify excessive errors and retransmissions.

Login supervision
Wireless EtherScope enables users to quickly test and verify wireless encryption and authorization configurations. Supervise wireless client EAP authentication processes and identify where and when the process breaks down.

Securing the wireless LAN
Ensure your network is secure by performing periodic wireless network audits. Wireless EtherScope scans 2.4 GHz and 5 GHz frequency ranges, providing the visibility you need to identify, locate and disable rogue access points and unauthorized ad-hoc networks. EtherScope illustrates the security settings of all discovered wireless devices and alerts you to potential problems with security configurations.

Automated problem detection
EtherScope monitors the network and alerts you to potential problems related to RF performance, improper security settings or security threats. Sort problem logs by severity to ensure that the highest priority issues are located quickly.

Site survey
The wireless environment is dynamic. Simplify network expansion and optimization using the site survey capabilities of wireless EtherScope. Record a snapshot of the RF environment at several places within a facility and compare real-time signal strength measurements to historical data to identify changes in the RF environment.

Your network assistant is waiting to show you what it can do to help make your job easier. Just go to www.flukenetworks.com/EtherScope and take a tour of the virtual demo.

EtherScope Series II Network Assistant combines essential tools to assist network problem solvers in the installation, verification, troubleshooting and maintenance of twisted pair, fiber optic and wireless LANs. Use a second EtherScope for throughput testing at rates up to 1000 Mbps.
Diagnose problems from anywhere via the web
EtherScope fully supports secure remote access and control. So no matter where the problem is, all you need is an active web browser to diagnose remote locations - just ship an EtherScope to that location and instruct a person on the other end to simply plug it in to the local network.

Document your findings with comprehensive reports
Web-viewable, XML-coded reports make it easy to review and document network attributes, baseline performance, device inventory, problem logs and switch-port statistics.

Designed for today and tomorrow
We designed EtherScope to be a powerful tool for years to come. It features a robust processor, plenty of memory, a forward-looking Linux® operating system and a simple software update procedure. So as your network and your troubleshooting needs evolve, so will your EtherScope Series II Network Assistant.

EtherScope Series II Pro Vision Suites extend troubleshooting capabilities
- Run OptiView Console from your PC for continuous monitoring of network devices and automated alerts of connectivity problems
- The PC-based OptiView Protocol Expert provides packet capture and extensive seven-layer decodes, making it easy to identify and solve the toughest network and application problems on switched segments

Portable Network Test and Analysis
At Fluke Networks, we provide a suite of products – both handheld network analyzers and testers – designed to give you the information and Network SuperVision™ to both identify and prevent problems. From testers like our LinkRunner™ Network Multimeter and our NetTool™ Inline Network Tester to analyzers like the EtherScope™ Series II Network Assistant for fast Gigabit and Wireless LAN problem solving and our OptiView™ Integrated Network Analyzer for an enterprise-wide view.

Network SuperVision Gold Support
Sign up for our Network SuperVision Gold Support plan and you’ll enjoy privileges to protect and add value to your equipment. These include unlimited 24x7 technical assistance and an exchange unit at no cost in the event something happens to your unit. Support also includes unlimited access to the knowledge base, and “members only” promotions. For access and details, visit www.flukenetworks.com/goldsupport.