FLUKE networks

CableIQ™ Qualification Tester

The network tech's vision into cabling bandwidth.

CableIQ, the first cabling bandwidth tester for network technicians.

As an IT professional, you have a tough balancing act. You're an on-the-spot problem solver. And you've got your eye on future enhancements, seamlessly upgrading the network to higher speeds, while optimizing the current infrastructure. All this without adding staff and while working with smaller budgets.

That's why Fluke Networks designed CableIQ – an easy-to-use cable troubleshooting and bandwidth qualification tester specifically for network technicians. It has all the power you need to see whether your cable is qualified to support 10/100, VoIP or Gigabit Ethernet and quickly solve network connectivity problems in one intuitive, handheld tool.

CableIQ: See network infrastructure problems quickly

- **Isolate cabling problems from network problems.** Save time and money by escalating fewer trouble tickets.
- **See existing cabling bandwidth.** Four-second test quickly determines if your existing cabling can support voice/10/100, VoIP or Gigabit Ethernet.
- **Troubleshoot cabling performance faults.** Determine why the existing cabling plant cannot support the desired network speed (e.g. connection fault at 7 feet).
- **Free up 10% or more of your switch ports.** Discover what is at the far end of any cable, whether it is an open cable, a PC, an analog phone, or switch.
- **Detect speed/duplex mismatches in a matter of seconds.** Determine a PC's duplex settings and compare settings to the connected switch – all from one location.
- **Isolate faults easier with intelligent wiremap.** Test for wiremap, length, shorts, split pairs or opens, and graphically see the distance to specific pin faults, such as "pin 1 break at 37 feet."
- **Locate cables and wires with superior accuracy.** Breakthrough IntelliTone™ digital signaling technology precisely locates cables in even the most chaotic wiring closet.
- **Empower frontline techs with an easy-to-use tool.** Intuitive user interface and graphical display guides users with little or no training required.
- **Avoid disputes over cause of network problems.** Save results or upload them to a PC with Cable IQ Reporter Software (included).

CableIQ gives network techs new vision into cabling bandwidth

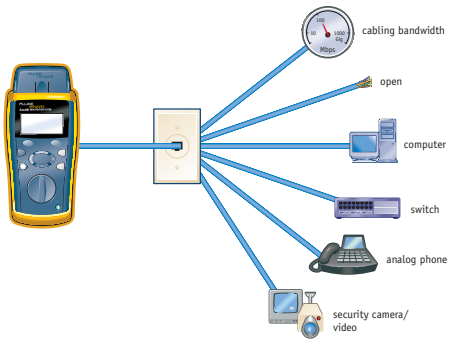
CableIQ is the first cabling tool designed for network technicians who need to troubleshoot and qualify cabling bandwidth. It gives even the most novice tech vision to see what speeds existing cabling can support, quickly isolate cabling from network problems, and discover what is at the far end of any cable. That means network techs can close trouble tickets faster, reduce on-call time, and save money by better utilizing their existing infrastructure.

Reduce escalated problems by as much as 30%

CableIQ's powerful troubleshooting capability and intuitive interface enable frontline technicians to identify and troubleshoot a wider range of infrastructure problems. Is the port active? Are the duplex settings matched? Is it a network problem or a cable problem? Can the cable support the required network bandwidth? CableIQ is the only tool that can answer all these questions before trouble tickets are escalated to the next level.

Troubleshoot cabling faults in half the time

CableIQ shows you whether your cabling is qualified to support the network's required bandwidth, and provides detailed information on the nature and location of cabling performance faults. Intelligent wiremap graphically displays the cable's wiring configuration, and shows the distance to opens and shorts. Advanced diagnostics also identifies and locates non-wiremap related connection faults, such as cross-talk or large impedance changes. Built-in IntelliTone digital technology allows you to tone and trace without disconnecting from the network. With CableIQ, your techs can close trouble tickets faster by cutting cable troubleshooting time in half.



Ensure a smooth transition to VoIP or Gigabit Ethernet

When you deploy Voice over IP (VoIP) or Gigabit Ethernet, you want to make sure the existing cabling will support the bandwidth requirements of your new equipment. Your cabling was certified, but moves adds and changes have rendered many links incapable of running desired speeds. CableIQ quickly reveals whether a link, including patch cords, is qualified for voice, 10/100BASE-T, VoIP, or Gig. Knowing your cabling's bandwidth capabilities before upgrading can prevent countless hours of future downtime and labor hours wasted on unnecessary troubleshooting.

See what customers are saying about CableIQ:

"CableIQ's best feature is its ability to see cabling bandwidth. I had a PC that was locking up intermittenly. I plugged CableIQ into the link and found a Cat 3 patch cord. After swapping out the cord, the problem went away." ***– Network Specialist***

"The ability to troubleshoot an active port is a timesaver – reducing the total time needed for problem resolution." ***– Electronic Communications Staff Associate***

"If we put one of these in the hands of every frontline tech, we could save ourselves 30% in on-call time." ***– Network Administrator***

See the power of CableIQ in action

Experience the unique capabilities of CableIQ by taking a virtual test drive at **www.flukenetworks.com/seeca-bleiq**. Or call us at **1-800-508-0490** (US and Canada), and let a Fluke Networks Systems Engineer show you how CableIQ technology can work for you. Visit **www.flukenetworks.com/contact** to locate Fluke Networks' sales organizations worldwide.

Free bonus gift with registration

Register your CableIQ and receive a bonus gift. Plus access to our Technical Assistance Center (TAC) and extensive online Knowledge Base for fast answers. Register today at **www.flukenetworks.com/register**.

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CableIQ™ Qualification Tester

Unparalleled vision into cabling bandwidth

From the **worldwide leader** in network test.

Portable, lightweight, rugged ergonomic design for easy field use.

Discover mode detects and locates switches and shows link configuration (speed/duplex/pairing).

Cable bandwidth qualification. Find out in four seconds what bandwidth your cable can support.

Intelligent wiremap graphically shows distance to specific conductor fault.

Four AA batteries. Long lasting battery life for several weeks of testing.

Graphical display. Backlit for viewing in all environments.

Safely test on active network. Perform most cabling or network tests without having to disconnect.

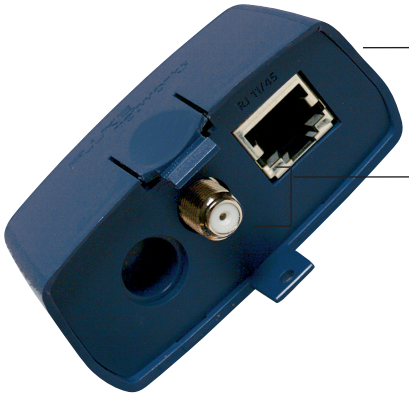
Store 250 results for later reviewing.

Digital or analog toning. Compatible with IntelliTone Probe for finding cables with superior precision.

Expert cabling diagnostics gives you detailed information on bandwidth faults.

Rotary knob makes learning easy and operation simple – you always know what test mode is selected.

USB port for fast transfer of data to PC or to reflash software.



Remote adapter
for testing existing copper cabling – doubles as a protective endcap.

RJ45 and F-Connector
tests voice/data/video/audio cabling.

Ordering Information

Model	Description
CIQ-100	**CableIQ Qualification Tester** includes CableIQ with remote adapter and soft carrying case
CIQ-KIT	**CableIQ Advanced IT Kit** includes CableIQ with remote adapter, IntelliTone 200 Probe, six remote office IDs, rugged carrying case
CIQ-SVC	**CableIQ Service Kit** includes cable with remote adapter, LinkRunner Network Multimeter, IntelliTone 200 Digital Probe, six remote IDs, rugged carrying case.
CIQ-IDK57	**CableIQ Remote Identifier Kit** includes three remote identifiers numbers 5-7
CIQ-KIT-IE	**CableIQ Industrial Ethernet Kit** includes CableIQ main unit with remote adapter, CableIQ Reporter software CD, IntelliTone 200 Digital Probe, Remote IDs #2-7, (2) RJ45-RJ45 patch cord, USB cable, coax "F" push-on adapter, 75-ohm coax patch cord, RJ45/11 universal coupler, RJ11-RJ11 patch cord, owners CD and quick start guide, (4) AA batteries, test accessory soft pouch, hard carry case, (1) M12-to-RJ45 patch cable
CIQ-GSV-IE	**CableIQ Gigabit Service Kit** includes CableIQ Qualification Tester, LinkRunner Pro Network Multimeter, IntelliTone Pro 200 Probe, CableIQ Remote Identifiers #1-7, WireView Cable ID #1, CableIQ Reporter software CD, RJ45-RJ45 shielded patch cords (2), USB cable, coax "F" push-on cable, RJ45/RJ11 universal coupler, USB cable, test accessory soft pouch, CableIQ Getting Started Guide, LinkRunner Pro Getting Started Guide, IntelliTone Pro Getting Started Guide, eight (8) AA batteries, one 9 V battery, packaged in a deluxe Fluke Networks carry case and (2) RJ45-to-M12 patch cables

Specifications

Cable types supported	UTP, STP, FTP, SSTP, RG6, RG59, audio, security
Qualification autotests	1000BASE-T, 100BASE-TX, 10BASE-T, VoIP, 1394b S100, TELCO, Wiremap only, Coax
Supported tests	Wiremap, length, cable signal performance, digital toner, analog toner, Ethernet port detection and identification, analog telephone detection, blink port light, continuity, speaker test, cable fault finding, video signal detection
Wiremap	Can detect single wire faults and supports MultiMap mode with up to seven remote office identifiers. Draws proportional wire length to breaks. Detects Split Pairs.
Find fault	Measures crosstalk and impedance and compares against appropriate limits based on qualification test selected. Detects location of large point sources as well as distributed sources in the cabling if they are sufficient to disqualify the application.
Results storage	Up to 250 qualification test results
Power	Battery type: 4 AA (NEDA 15A, IEC LR6) alkaline batteries
Battery life	20 hours of typical use, without backlight
Other battery types supported	4AA photo lithium, NIMH, NICAD
Dimensions and weight	7 in x 3.5 in x 1.75 in (17.8 cm x 8.9 cm x 4.5 cm) 1.2 lb (0.55 kg)
M12/ RJ45 Cable Specifications	
Cable type	Ethernet cable, Cat5e, shielded, 2 Pair AWG 26 stranded (7 wire), RAL 5021 (water blue), M12 4 pos. D- coded on RJ45 connector
Number of positions	4
Fixed cable length	2 m
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Ambient temperature	-20 °C to 50 °C
Inflammability class acc to UL 94	V0
Surge voltage category	II
Pollution degree	3
Degree of protection	IP20/IP67
External cable diameter	6.7 mm
Transmission characteristics	Cat 5 (IEC 11801:2002), Cat 5e (TIA 568B:2001)

NETWORKSUPERVISION

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Fluke Networks operates in more than 50 countries worldwide. To find your local office contact details, go to **www.flukenetworks.com/contact**.

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