# OneTouch™ AT Fiber Network Troubleshooting Kit

All-in-one kit for fiber optic, copper and Wi-Fi network installation and troubleshooting.

A small local area network consists primarily of twisted pair cabling, jacks, patch panels, switches, Wi-Fi access points and servers. The transmission characteristics of unshielded twisted pair (UTP) cable limit its effective distance to 100 meters. A typical Wi-Fi access point (AP) provides adequate indoor coverage out to 70 meters.

These distances are not usually a problem in horizontal applications, where all network devices reside on the same floor of a building, since the distance from the work area to the nearest switch or AP is typically less than 50 meters. This can be problematic in large factories, warehouses, retail stores and multi-floor office towers. It is certainly a problem when interconnecting LANs located across a campus or across a metropolitan area. Fiber optic technology is often employed to overcome UTP and Wi-Fi distance limitations in these applications.
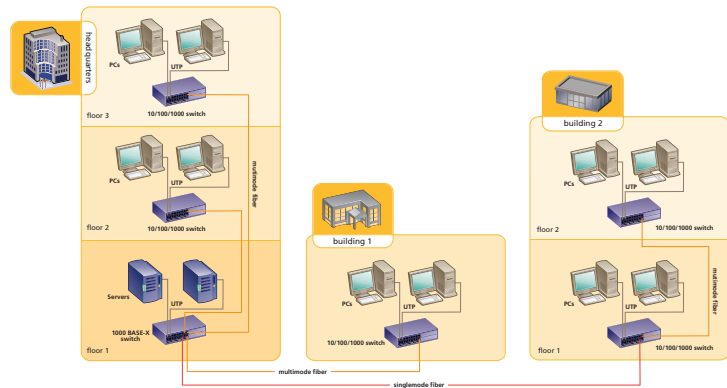
Fiber deployment in a campus network

Fiber optic cable is also used in electrically noisy environments like manufacturing floors where electrical emissions can interfere with the electrical signals carried over a UTP cable or through the air from an AP. Optical fiber is also widely deployed in datacenters or to link high-speed routers and switches due to fiber's high bandwidth characteristics.

Network engineers and technicians who install fiber cabling as an element of an add, move or change project, or who are called upon to troubleshoot fiber network problems, often struggle with these tasks due to a lack of the right tool for the job. Their cable wire mapper is not useful to troubleshoot fiber cabling. And their trusty laptop PC lacks the physical interface required to test and analyze fiber networks.

OneTouch™ AT
Fiber Network Troubleshooting Kit

Network AutoTest

The OneTouch AT Fiber Network Troubleshooting Kit is optimal for installing and maintaining fiber optic networks. It is an all-in-one-kit for fiber optic, twisted pair and Wi-Fi network installation and maintenance. The kit includes:

- A Gigabit Ethernet and Wi-Fi analyzer for troubleshooting network performance from the client connection, through the fiber/copper and Wi-Fi infrastructure, to key network services hosted locally and within private and public clouds. The exclusive Veri-Fi™ test verifies fiber/copper and Wi-Fi network operation and a built-in inline fiber/copper TAP facilitates packet capture.

- A LAN-centric OTDR module featuring ultra-short event and attenuation dead-zones to precisely locate events and faults on fiber links, EventMap to locate events and faults in a way that requires no trace analysis expertise, and quad wavelength support for multimode and singlemode troubleshooting.

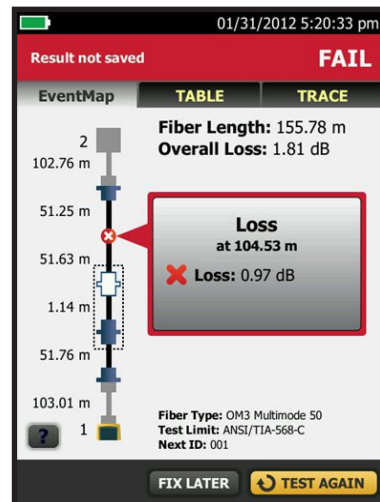- An intuitive smartphone user interface and one-touch AutoTest to get answers in seconds.

The OneTouch AT Fiber Network Troubleshooting Kit is the right tool for network operators who install and maintain fiber optic networks. Please contact Fluke Networks to learn more about OneTouch AT Fiber Network Troubleshooting Kit or visit us at **www.flukenetworks.com/OneTouchATeval** to see it live on your network.

Ordering Information

Models	Content
1T-3000-OFP-QUAD	OneTouch AT 1T-3000 Network Assistant, plus an OptiFiber Pro Quad OTDR module, four launch cables (50 µm SC/LC, 50 µm SC/SC, 9 µm SC/LC, 9 µm SC/SC), two IBC OneClick cleaners (1.25 mm, 2.5 mm), and an accessories carrying case.

Fiber EventMap

Contact Fluke Networks: Phone 800-283-5853 (US/Canada) or Email: info@flukenetworks.com.