FLUKE networks™

OMNIFiber® Adapters

Add an OMNIFiber Adapter to your OMNIScanner for an all-in-one LAN certification solution

Today's premise networks often include both structured twisted pair (Category 5, 5e or 6) and optical fiber cables. The OMNIScanner, utilizing third generation digital DSP technology, accurately certifies Categories 5, 5e and 6 and tests Category 7 today. When you attach an OMNIFiber adapter to an OMNIScanner, it is transformed into a powerful fiber certification tool. Now you can certify both twisted pair and optical fiber cables with one tester.

Certify multimode and singlemode fiber with Fluke Networks OMNIFiber Adapters.

All of Fluke Networks' OMNIFiber Adapters:

- Test two fibers at two wavelengths in a single automated operation.
- Measure fiber length, propagation delay and optical loss.
- Provide clear PASS or FAIL indication with automated results analysis.
- Enable bi-directional testing without swapping main and remote units.
- Feature standards and fiber cable libraries for easy set-up.
- Incorporate interchangeable connector adapters for simple network connection.
- Communicate with LinkWare™ Cable Test Management Software.
- Quickly snap onto any OMNIScanner® series cable analyzer.
- Are ruggedly built for demanding field use.
- Test multimode fiber at 850 nm and 1300 nm with the LED-based OMNIFiber® MM.
- Test singlemode fiber at 1310 nm and 1550 nm with the laser-based OMNIFiber® SM.

The right adapter for the job

Your network may contain different fiber types: multimode or singlemode. The way to accurately test and certify your network is with an adapter designed for the job. Fluke Networks offers two OMNIFiber adapters. Use the OMNIFiber MM adapter for multimode fiber. Its LED sources ensure accurate, standards-compliant results when testing multimode fiber. Use the OMNIFiber SM adapter for singlemode fiber. Its laser sources ensure accurate, standards-compliant results when testing singlemode fiber.

Fast and easy testing

Using an OMNIFiber adapter, OMNIScanner provides a one-button "Autotest" that measures fiber length and optical loss on two fibers at two wavelengths in a single automated operation. The scanner then compares the results to the industry standard you select and instantly provides a clear PASS or FAIL indication. Test more fibers in less time with OMNIFiber.

OMNIFiber adapters connect easily to the network. Interchangeable connector adapters permit simple network connection and straightforward reference power measurement. Interchangeable connector adapters are available in the most popular connector styles.

Reporting made simple

LinkWare™ Software makes it easy to manage and print the rich test data, to ensure the quality of the installation and performance. Instantly access and organize your results and create professional reports that meet new certification demands, impress your customers and give yourself a competitive edge. Merge results for the entire network with the OptiFiber Certifying OTDR or the DSP Series cable tester.

Technical Data

Advanced certification for multimode and singlemode optical fiber networks.

Specifications

General Specifications	
Temperature range, operating	0° to +40° C
Temperature range, storage	-10° to +60° C
Humidity range, operating	0 to 75% RH, non-condensing
Humidity range, storage	0 to 95% RH, non-condensing
Certifications	CE, CSA
Dimensions	9.00 x 9.85 x 3.94 cm (3.5 x 3.9 x 1.6 in)
Weight	0.11 kg (0.24 lb)
Optical transmitter	
Connector	ST
Emitter type	OMNIFiber MM: LED; OMNIFiber SM: Fabry-Perot (FP) laser
Emitter wavelengths	OMNIFiber MM: 850 and 1300 nm; OMNIFiber SM: 1310 and 1550 nm
Power output (minimum)	OMNIFiber MM: -19 dBm; OMNIFiber SM: -11 dBm
Power output stability (8 hours)	+/- 0.25 dB at 23 C
Optical receiver	
Power measurement accuracy	+/- 0.25 dB at 23 C, 45% to 75% RH, -20 dBm for 850/1300/1310 nm, -10 dBm for 1550 nm
Connector	Interchangeable Connector Adapters: ST, SC, FC, universal
Detector type	InGaAs
Calibrated wavelengths	850 nm, 1300 nm, 1310 nm, 1550 nm
Power measurement range	+ 3 to –55 dBm
Power measurement linearity	+/- 0.25 dB at 23 C
Length measurement	OMNIFiber MM: 2000 m; OMNIFiber SM: 16000 m
Length measurement resolution	OMNIFiber MM: 1 m (1 ft); OMNIFiber SM: 1 m from 0 – 2000 m OMNIFiber SM: 2 m from 2001 – 16000 m

Ordering Information

Model	Description
8223-07	**OMNIFiber MM** Uses LED light sources at 850 nm and 1300 nm. Supplied with 62.5 um multimode launch cables and ST interchangeable connector adapter.
8223-11	**OMNIFiber SM** Uses laser light sources at 1310 nm and 1550 nm. Supplied with 9 um single-mode launch cables and ST interchangeable connector adapter.
LinkWare	**LinkWare™ Cable Test Management Software** Free download from Fluke Networks' web site at: www.flukenetworks.com/linkware

Free Reference Guide

Register your OMNIFiber adapter and receive a free *Fiber Optic Reference Guide*. This practical guide to the latest in fiber optic technology covers all of the fundamentals of fiber optics, including cables, connectors, network design, installation and testing. Partner with Fluke Networks for solutions to grow your business.

Fluke Networks delivers Network SuperVision

Fluke Networks is committed to providing innovative Network SuperVision Solutions.™ From innovative technology and tools that comply with standards, to responsive service and training to help you grow your business, Fluke Networks will help you keep pace in today's fast moving, networked world by keeping our eye on the future for you. That's Network SuperVision. That's Fluke Networks' promise to you.

NETWORKSUPERVISION

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