DATASHEET

Fiber Media Converter Kit

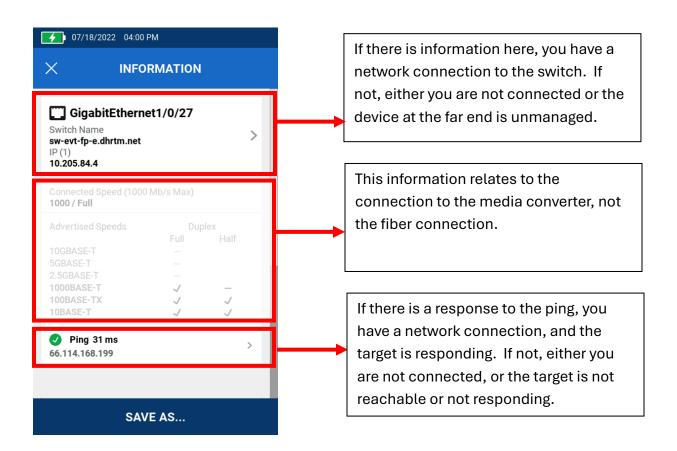**Test fiber optic network ports with any LinkIQ™ Tester**

- Connects to 1 Gb/s (1000BASE-SX, 1000BASE-LX) and 10 Gb/s (10GBASE-SR, 10GBASE-LR) fiber Ethernet ports through a media converter and SFP (1G/10G) using single-mode or multimode optic fiber cables

- Compatible with LinkIQ Cable+Network Tester and LinkIQ Duo Cable+Wi-Fi+Network Tester

- Fiber optic network testing features including: IPv4 and v6 ping, nearest switch diagnostics (IP address, name, port / VLAN number)

- Battery bank for portable operation

- Includes single carrying case for LinkIQ/ LinkIQ Duo tester, media converters (1G or/and 10G), battery pack, fiber optic patch cords (single-mode and multimode), RJ45 connector cable, SFPs (single-mode and multimode) and accessories

Overview

Use the Fluke Networks Fiber Media Converter (FMC) Kit to understand and debug the fiber port connections by determining application, switch name, port name and VLAN and verifying connectivity using IP ping. The FMC includes the Media Converters, SFPs, fiber optic cords and RJ45 cable to connect with any LinkIQ tester to troubleshoot network connectivity.

When testing a connection through the FMC, the "Network" test provides results that can tell you if you have an Ethernet connection to the device at the far end (typically a switch) and if you can send IP traffic to targets at the far end. The result you get looks something like the screen below and here is what it can tell you.

If there is information here, you have a network connection to the switch. If not, either you are not connected or the device at the far end is unmanaged.

This information relates to the connection to the media converter, not the fiber connection.

If there is a response to the ping, you have a network connection, and the target is responding. If not, either you are not connected, or the target is not reachable or not responding.

Ordering Information

MODEL	DESCRIPTION
FMC-10G	10G Fiber media converter kit includes 10 Gb/s and 1 Gb/s Fiber Media Converters, Power bank, cable for charging bank and powering converters, SFPs (1000BASE-LX, 1000BASE-SX, 10GBASE-LR, 10GBASE-SR), Single-mode and multi-mode fiber cords, RJ-45 cable, and a carrying case.

FMC-1G	1G Fiber media converter kit includes 1 Gb/s Fiber Media Converter, Power bank, cable for charging bank and powering converters, SFPs (1000BASE-LX, 1000BASE-SX), single-mode and multi-mode fiber cords, RJ-45 cable, and a carrying case.
LIQ-DUO-KIT-FMC	Includes LinkIQ Duo Cable+Wi-Fi+Network Tester Kit, FMC-10G Media Converter Kit, FiberLert™ Live Fiber Detector, 1.25 mm Quick Clean™ Cleaner
LIQ-KIT-FMC	Includes LinkIQ™ Cable+Network Tester Advanced Kit, FMC-10G Media Converter Kit, FiberLert™ Live Fiber Detector, 1.25 mm Quick Clean™ Cleaner

General Specifications

Feature	Description
Media Converter	1Gb/s media converter (1G and 10G models) 10 Gb/s media converter (10G models)
SFP	1000BASE-LX single-mode (1G and 10G models) 1000BASE-SX multimode (1G and 10G models) 10GBASE-LR single-mode (10G models) 10GBASE-SR multimode (10G models)
Fiber Optic Patch Cord	Fiber optic patch cord single-mode, Length: 9.84 ft (3 m) Fiber optic patch cord multimode, Length: 9.84 ft (3 m)
RJ45 Connector Cable	CAT 6A rated, Length: 5 ft (1.5 m)
Power Bank / Battery	Lithium Polymer with 5000 mAh capacity USB C input: 5V/2A, output: 5V/2A USB A input: 5V/2A, output: 5V/2A Digital LED of battery level

Cable	USB type C to type A for Power Bank charging
	USB type C to DC 5.5x2.5 mm plug for connecting Power Bank to Media Converter
Weight	FMC-1G: 1.18 kg; 2.6 lb
	FMC-10G: 1.36 kg; 3 lb
	LIQ-KIT-FMC: 4.17 kg; 9.2 lb
	LIQ-DUO-KIT-FMC: 4.19 kg; 9.25 lb
Case Dimensions (H x W x D)	30.8 x 16.8 x 12.8 cm; 12.13 x 6.61 x 5.04 in

About Fluke Networks

Fluke Networks is the worldwide leader in certification, troubleshooting, and installation tools for professionals who install and maintain critical network cabling infrastructure. From installing the most advanced data centers to restoring service on the factory floor, our combination of legendary reliability and unmatched performance ensure jobs are done efficiently. The company's flagship products include the innovative LinkWare™ Live, the world's leading cloud-connected cable certification solution with over one hundred million results uploaded to date. For more information, call 1-800-283-5853 (US, Canada), 1-425-446-5500 (International) or visit www.flukenetworks.com.

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