

DATASHEET

Fibre Media Converter Kits

Test fibre 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
- Fibre 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, fibre optic patch cords (single-mode and multimode), RJ45 connector cable, SFPs (single-mode and multimode) and accessories

Overview

Use the Fluke Networks Fibre Media Converter (FMC) Kit to understand and debug the fibre port connections by determining application, switch name, port name and VLAN and verifying connectivity using IP ping. The FMC includes the Media Converters, SFPs, fibre 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.

INFORMATION

GigabitEthernet1/0/27
Switch Name: sw-evt-fp-e.dhrtm.net
IP (1): 10.205.84.4

Connected Speed (1000 Mb/s Max): 1000 / Full

Advertised Speeds	Duplex	
	Full	Half
10GBASE-T	—	—
5GBASE-T	—	—
2.5GBASE-T	—	—
1000BASE-T	✓	—
100BASE-TX	✓	✓
10BASE-T	✓	✓

✓ Ping 31 ms
66.114.168.199

SAVE AS...

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 fibre 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 Fibre media converter kit includes 10 Gb/s and 1 Gb/s Fibre 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 fibre cords, RJ-45 cable, and a carrying case.

FMC-1G	1G Fibre media converter kit includes 1 Gb/s Fibre Media Converter, Power bank, cable for charging bank and powering converters, SFPs (1000BASE-LX, 1000BASE-SX), single-mode and multi-mode fibre cords, RJ-45 cable, and a carrying case.
LIQ-DUO-KIT-FMC-H6AU	Includes LinkIQ Duo Cable+Wi-Fi+Network Tester Kit, FMC-10G Media Converter Kit, FibreLert™ Live Fibre Detector, 1.25 mm Quick Clean™ Cleaner
LIQ-KIT-FMC	Includes LinkIQ™ Cable+Network Tester Advanced Kit, FMC-10G Media Converter Kit, FibreLert™ Live Fibre 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)
Fibre Optic Patch Cord	Fibre optic patch cord single-mode, Length: 9.84 ft (3 m) Fibre 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.

Fluke. Keeping your world
up and running.™

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