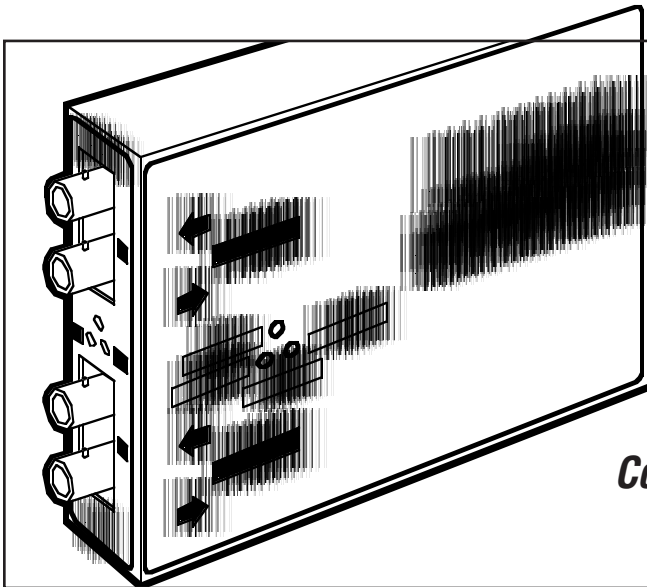




BLACK BOX[®]

NETWORK SERVICES

FLEXPPOINT MEDIA CONVERTERS



Connect devices or network segments via single-mode fibreoptic cable.

Key Features

- ▶ **Run longer cable lengths over single-mode fibre.**
- ▶ **Models available for standard, Fast, or Gigabit Ethernet, and OC-3 or OC-12.**
- ▶ **Extend network distances up to 28 km (17.4 mi.) with the Fast Ethernet or OC-3 models, up to 20 km (12.4 mi.) with Gigabit models, or up to 5 km (3.1 mi) with OC-12 models.**
- ▶ **Plug-and-play operation.**

Make the most of your fibre network with the FlexPoint Media Converters. Models are available for 10-Mbps Ethernet, Fast Ethernet, Gigabit Ethernet, OC-3, and OC-12.

These converters break the distance barrier of multimode fibre-optic cable runs. Over single-mode cable, you can achieve distances of up to 20 km (12.4 mi.) for 1000BASE-LX, up to 28 km (17.4 mi.) for ATM OC-3, or up to 5 km (3.1 mi) for OC-12.

FlexPoint Media Converters connect two devices, such as switches, hubs, servers, or workstations. You'll need a pair of Converters for each device-to-device connection over single-mode fibreoptic cable.

The Ethernet converter supports 10BASE-FL, 100BASE-FX, IEEE 802.3, and 803.2u specifications. The Gigabit converter conforms to 1000BASE-LX-SX, IEEE 802.3, and IEEE 802.3u specifications. The OC-3 converter supports all OC-3 standards over ATM and SONET, and the OC-12 converter conforms to all OC-12 standards over ATM and SONET.

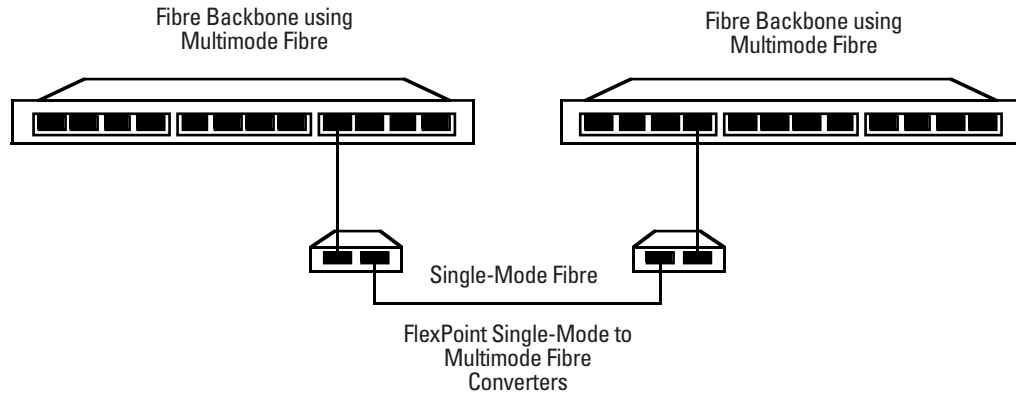
All modules provide diagnostic data through LED indicators for power and fibre/link receive that assist in network installation and management.

The Media Converter modules can stand alone or mount in a 5- or 14-unit chassis. (The 14-unit chassis features redundant power.)

Installing the Media Converter modules in the chassis is simple. The modules are plug-and-play, and no software is required.

You can order the Chassis with either one or two 48-VDC power supplies.

And you can mix and match modules in each chassis to fit your application.



Connect two backbone switches using single-mode fibre.

Specifications

Maximum Distance:

- 10BASE-T, 100BASE-TX: Up to 100 m (328 ft.);
- 10BASE-FL: 100BASE-FX: Up to 2 km (1.24 mi.);
- 100BASE-SX: Up to 220 m (136.4 mi.);
- 1000BASE-LX: Up to 20 km (12.4 mi.);
- ATM OC-3: Up to 28 km (17.4 mi.);
- ATM OC-12: Up to 5 km. (3.1 mi)

- Standards:** SNMP V.1: UDP/IP PPP/SLIP serial interface; Ethernet: IEEE 802.3, IEEE 802.3u; ATM: 155-Mbps OC-3

Indicators:

- LMC200A: Power;
- LMC212A, LMC213A, LMC250A-252A: Power, Autonegotiation, FDX, HDX, Fibre Link RX, Fibre Error, UTP Link RX, UTP Error;
- LMC1001A, LMC1002A, LMC155A, LMC156A, LMC622A: Fibre Link RX

Connectors:

- LMC212A-MM-ST: (1) RJ-45, (2) ST;
- LMC212A-SM-ST-LH: (1) RJ-45, (2) ST;
- LMC213A-MMRJ, LMC213A-SMRJ: (1) RJ-45, (1) MT-RJ;
- LMC213A-MMVF: (1) RJ-45, (1) VF-45;
- LMC250A-ST, LMC251A-ST, LMC155A-ST, LMC156A-ST, LMC252A-ST: (4) ST;
- LMC251A-SC, LMC252A-SC, LMC1001A, LMC1002A, LMC156A-SC, LMC622A, LMC622A-LH: (4) SC

Temperature: 0 to 40°C (32 to 104°F)

Humidity: Up to 90%, noncondensing

Power: 14-Slot Chassis: 48 VDC; Modules: From the chassis

Size: 14-Slot Chassis: 8.9Hx 48.3W x 24.1D cm (3.5"H x 19"W x 9.5"D); Modules: 2.5H x 7.6W x 10.2D cm (1"H x 3"W x 4"D); LMC204A: 2.5H x 7.6W x 7.6D cm (1"H x 3"W x 3"D)

Weight: 14-Slot Chassis: 2.7 kg. (6 lb); Modules and DC Power Converter: 0.2 kg (0.4 lb.)

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognise any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.

• You don't have a purchase order number and the tech refuses to help you.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10

to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our

Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

Ordering Information

ITEM

CODE

FlexPoint 14-Slot Powered Chassis	
with 1 Power Supply (48 VDC).....	LMC200A-DC
with 2 Power Supplies (48 VDC)	LMC200A-2PS-DC
FlexPoint Modular Media Converters	
10BASE-T RJ-45 to 10BASE-FL	
850 nm, Multimode-ST, 2 km.....	LMC212A-MM-ST
1300 nm, Single Mode-ST, 2 km	LMC212A-SM-ST-LH
100BASE-TX RJ-45 to 100BASE-FX	
1300 nm, Multimode MT-RJ, 2 km.....	LMC213A-MMRJ
1300 nm, Single Mode MT-RJ, 28 km	LMC213A-SMRJ
1300 nm, Multimode VF-45, 2 km	LMC213A-MMVF
100BASE-FX or 10BASE-FL	
1300 nm, Multimode-ST to 1300 nm, Single Mode-ST (5 km–28 km).....	LMC250A-ST
850 nm, Multimode-ST to 1300 nm, Single Mode-ST (500 m–5 km).....	LMC251A-ST
850 nm, Single Mode-SC to 1300 nm, Single Mode-SC (500 m–28 km).....	LMC251A-SC
850 nm, Multimode-ST to 1300 nm, Multimode-ST (500 m–28 km)	LMC252A-ST
850 nm, Multimode-SC to 1300 nm, Multimode-SC (500 m–5 km)	LMC252A-SC
1000BASE-SX to 1000BASE-LX	
850 nm, Multimode-SC to 1300 nm, Single Mode-SC	
(220 m–5 km)	LMC1001A
(220 m–20 km).....	LMC1002A
ATM OC-3	
1300 nm, Multimode -ST to 1300 nm, Single Mode-ST (5 km–28 km).....	LMC155A-ST
850 nm, Multimode-ST to 1300 nm, Single Mode-ST (500 m–28 km).....	LMC156A-ST
850 nm, Multimode-SC to 1300 nm, Single Mode-SC (500 m–28 km).....	LCM156A-SC
ATM OC-12 LX	
1300 nm, Multimode-SC to 1300 nm, Single Mode-SC (550 m–5 km).....	LMC622A
1300 nm, Multimode-ST to 1300 nm, Single Mode-ST (550 m–5 km).....	LMC622A-LH

You'll also need...

Power Supplies

International Power Supply (9V–1.0A)	LMC203A
DC-Power Converter, 18-to-72 VDC, Standalone.....	LMC204A
DC-Power Converter Wall-Mounting Kit.....	LMC206A-WALL-DC
Power Supply for Power Chassis (48 VDC)	PSFP20-DC

Remember to order cables...

Bulk Category 5 Solid-Conductor Cable, 2-pair, PVC, Custom Lengths	EYN717A
Duplex Fibre Optic Cable, PVC, Custom Lengths	
ST-ST.....	EFN062-CC
SC-SC.....	EFN4025



Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.