



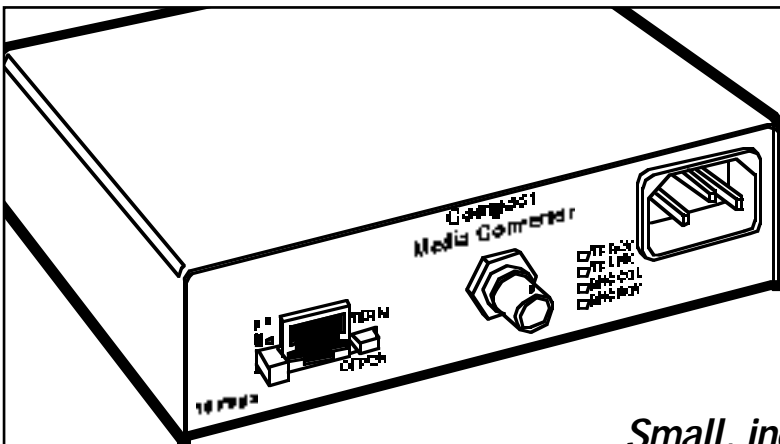
BLACK BOX[®]

NETWORK SERVICES

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Black Box Corporation.

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COMPACT MEDIA CONVERTERS



*Small, inexpensive, easy to install—
and each unit includes its own power supply.*

Key Features

- ▶ **Connections for 850-nm multimode, 1300-nm multimode, and 1300-nm single-mode fibre.**
- ▶ **Various models support 10BASE-T, 10BASE2, 100BASE-TX, 100BASE-FX, and 100BASE-SX protocols and cabling standards.**
- ▶ **LinkLoss and FibreAlert notify network managers of “silent failures.”**
- ▶ **Externally accessible port settings.**

The Compact Media Converters are low-cost, fixed configuration media converters. Converters with 10-Mbps modules provide a single conversion between 10BASE-T and either 10BASE2 (ThinNet) or multimode or single-mode fibre. Converters with 100-Mbps modules provide conversion between 100BASE-TX and either 100BASE-SX multimode fibre or 100BASE-FX multimode or single-mode fibre.

At only 1U high, these are extremely compact standalone media converters. All selectable features are externally accessible, and each port includes diagnostic LEDs. Twisted-pair ports feature a straight-through/

cross switch. BNC ports feature a termination switch.

An autosensing power supply is built in with each converter, so there's no need to buy any additional equipment.

To assist you in pinpointing link faults between media-conversion products, the media converters feature LinkLoss™ and FibreAlert™.

When the fibre segment has a link fault, LinkLoss passes the fault to the twisted-pair segment and drops the twisted-pair link LED.

When a fibre optic receive fault is detected, FibreAlert makes the link LED for the opposite end of the fibre conversion pulse,

indicating there's a problem and eliminating “silent failures.”

You can enable or disable LinkLoss/FibreAlert via a DIP switch located on the bottom of any converter unit.

The LMC009A-R2 includes two external switches, one that selects termination on the BNC port and one that selects cross-over for the UTP port. The other converters include an external MDIX switch for selecting cross-over or passthrough twisted-pair connections on the UTP port.

Specifications

Approvals: UL®, cUL, CE

Full-Duplex Distance (Maximum):

- LMC001A-R2-LMC009A-R2:
10BASE-T link: 100 m (328 ft.);
- LMC001A-R2-LMC002A-R2,
LHC001A-R2-LHC002A-R2,
LHC009A-R2: Fibre link: 2 km
(1.2 mi.);
- LMC003A-R2-LMC004A-R2:
Fibre link: 10 km (6.2 mi.);
- LMC005A-R2-LMC006A-R2:
Fibre link: 20 km (12.4 mi.);
- LMC007A-R2-LMC008A-R2:
Fibre link: 40 km (24.9 mi.);
- LMC009A-R2: 10BASE2 link:
185 m (607 ft.);
- LHC001A-R2-LHC002A-R2,
LHC005A-R2-LHC006A-R2,
LHC008A-LHC009A:
100BASE-TX link:
100 m (328 ft.);
- LHC005A-R2-LHC006A-R2:
Fibre link: 30 km (18.6 mi.);
- LHC008A-LHC009A:
Fibre link: 300 m (984.3 ft.)

Heat Generated (Maximum):

30 BTU/hour

Wavelength:

- LMC001A-R2-LMC002A-R2,
LHC008A-LHC009A:
850 nm multimode;
- LMC003A-R2-LMC004A-R2,
LHC001A-R2-LHC002A-R2:

1300 nm multimode;
LMC005A-R2-LMC008A-R2,
LHC005A-R2-LHC006A-R2:
1300 nm single-mode

Connectors: LMC009A-R2: (1) RJ-45
(shielded), (1) BNC F;
All others: (1) RJ-45 (shielded),
(1) ST* or SC

Indicators:
LMC001A-R2-LMC008A-R2,
LHC001A-R2-LHC002A-R2,
LHC005A-R2-LHC006A-R2,
LHC008A-LHC009A:
Fibre Receive, Twisted-Pair
Link, Fibre Alert, Fibre Link;
LMC009A-R2: Twisted-Pair
Receive, Twisted-Pair Link,
BNC Collision, BNC Receive

Temperature:
Operating: 32 to 104°F (0 to 40°C);
Storage: 22 to 160°F (-5 to +71°C)

Humidity Tolerance: 5 to 95%,
noncondensing

Power:
LMC001A-R2-LMC009A-R2,
LHC008A-LHC009A:
110-240 VAC, 50-60 Hz,
internal, autosensing;
LHC001A-R2-LHC002A-R2,
LHC005A-R2-LHC006A-R2:
95-240 VAC, 50-60 Hz,
0.1/0.5 A, internal, autosensing

Size: 1.5"H x 4.7"W x 4.4"D
(3.8 x 11.9 x 11.2 cm)

Weight: 2 lb. (0.9 kg)

Ordering Information

ITEM **CODE**

Compact Media Converters

10-Mbps Modules with Internal Power Supply

10BASE-T/Multimode Fiber, 850-nm
STLMC001A-R2
SCLMC002A-R2

10BASE-T/Multimode Fiber, 1300-nm
STLMC003A-R2
SCLMC004A-R2

10BASE-T/Single-Mode Fiber
STLMC005A-R2
SCLMC006A-R2

10BASE-T/Single-Mode Fiber Plus
STLMC007A-R2
SCLMC008A-R2

10BASE-T/ThinNetLMC009A-R2

100-Mbps Modules with Internal Power Supply

100BASE-TX/100BASE-FX Multimode Fibre
STLHC001A-R2
SCLHC002A-R2

100BASE-TX/100BASE-FX Single-Mode Fibre Plus
STLHC005A-R2
SCLHC006A-R2

100BASE-TX/100BASE-SX Multimode Fibre
STLHC008A
SCLHC009A

For optimum performance, order...

Category 5 Solid-Conductor Cable, 4-Pair,
10-ft. (3-m), Straight-Pinned, PVCEYN737MS-0010
Coax Cable, 10-ft. (3-m), PVCETN62-0010-BNC
Duplex Fibre Optic Cable, PVC, ST-STEFN062-CC

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 support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

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