

Pure Networking™ Media Converters

**Rackmount or standalone,
these converters won't
break the bank!**



LHC202A-EU

Features:

- Feature popular media converter interfaces at value prices.
- Layer 1 media conversion is transparent to data and offers plug-and-play installation.
- Use as standalone media converters or in a convenient 14-slot rackmount chassis.
- Choose from 10-/100-Mbps converters or Gigabit converters.
- Diagnostic LEDs for easy troubleshooting.
- SFP model accepts standard SFPs, enabling you to adapt the interface to your requirements.
- Link-fault passthrough alerts you to “silent failures” on the fibre side.
- Fast Ethernet models feature UTP ports that are autonegotiating for speed and duplex.
- Auto MDI/MDI-X on all copper ports.

Extend Your Network Over Fibre



LHC202A-EU

Pure Networking Media Converters may be inexpensive, but they're not cheap—they're built solid with a sturdy metal case.



10-/100-Mbps models have DIP switches to set speed, duplex, and link-fault passthrough.



Diagnostic LEDs on the front panel enable you to troubleshoot at a glance.

Economical.

Black Box® Pure Networking Media Converters enable you to extend your network over fibre at a price that won't eat up your budget. Available in basic 10-/100- or 1000-Mbps models, these affordable converters can cover most of your network's media conversion requirements—there's even a rackmount chassis for enterprise network applications.

The 10/100 models extend your network up to 2 kilometres (1.2 miles) over multimode fibre or up to 20 kilometres (12.4 miles) over single-mode fibre.

Gigabit models extend your network 500 metres (1640 ft.) over multimode fibre or up to 15 kilometres (9.3 miles) over single-mode fibre.

SFP Model Provides Extra Versatility.

The SFP Converter (LGC200A) features a Gigabit twisted-pair port plus a standard SFP slot, which enables you to customize the converter with an SFP to get the fibre interface of your choice. Through the use of SFPs, you can extend a network up to 30 kilometres (18.6 miles) over single-mode fibre. This converter accepts any standard 1250-Mbps SFP.

Converter Specifications:

Environmental —

- Operating temperature: 0 to +40° C (+32 to +104° F);
- Storage temperature: -40 to +70° C (-40 to +158° F);
- Operating humidity: 10 to 90%, noncondensing;
- Storage humidity: 5 to 90%, noncondensing

CE Approval — Yes

Connectors — LHC201A–LHC202A, LGC201A–LGC202A:

- (1) RJ-45, (1) pair of SC;
- LGC200A: (1) RJ-45, (1) SFP slot

Indicators — LHC201A–LHC202A: LEDs: (1) PWR, (1) LFP,

- (1) FX Link/Act, (1) TP SPD, (1) TP FDX/Col, (1) TP Link/Act;

LGC200A–LGC202A: LEDs: (1) PWR, (1) FX Link, (1) TP Link, (1) TP RX

Power — Input: 100–240-VAC, 50–60-Hz external power supply, 0.3A @ 120 V;

- Output: 9 VDC, 0.6 A, 5.4 watts maximum

Size — 9.4H x 7.3W x 2.7D cm (3.7" x 2.9" x 1.1")

Weight — 0.3 kg (0.6 lb.) without power adapter



Optional 14-Slot Rackmount Chassis.

Pure Networking Media Converters may be used individually, but when installing multiple converters, the 14-Slot Rackmount Chassis is a tidy solution. The chassis mounts on standard 19" rails and holds and powers up to 14 media converters in only 2U of rack space. Two rear fans circulate air and cool the media converters.

Because the Rackmount Chassis powers the media converters, there's no need to supply a power outlet for each converter. The chassis' passive-backplane architecture ensures steady power input for each media converter. Overvoltage and overcurrent protection guard the converters from power surges and spikes. Add the optional Redundant AC Power Supply to the chassis to provide backup power in case the first power supply goes down. Both media converters and power supplies are hot swappable for maximum uptime.

Chassis Specifications:

Environmental —

Operating temperature: 0 to +40° C (+32 to +104° F);
Storage temperature: -40 to +70° C (-40 to +158° F);
Operating humidity: 10 to 90%, noncondensing;
Storage humidity: 5 to 90%, noncondensing

CE Approval — Yes

Power — Input: 110–240-VAC, 50–60-Hz,
0.3A @ 120 V;

Output: +9.5VDC, 9.5A

Size — 8.6(2U)H x 48.3W x 35.8D cm (3.4" x 19" x 14.1")

Weight — 8 kg (17.6 lb.)

Pure Networking Media Converters

Item Description	United Kingdom	Continental Europe
10-/100- Copper to 100-Mbps Fast Ethernet Duplex Fibre		
Multimode, 1310-nm, 2 km, SC	LHC201A-UK	LHC201A-EU
Single-Mode, 1310-nm, 20 km, SC	LHC202A-UK	LHC202A-EU
1000-Mbps Copper to 1000-Mbps Gigabit Ethernet Duplex Fibre		
Multimode, 850-nm, 0.5 km, SC	LGC201A-UK	LGC201A-EU
Single-Mode, 1310-nm, 15 km, SC	LGC202A-UK	LGC202A-EU
SFP	LGC200A-UK	LGC200A-EU
Accessories		
14-Slot Rackmount Chassis	LHC200A-RACK-UK	LHC200A-RACK-EU
Redundant AC Power Supply for 14-Slot Rackmount Chassis	LHC200A-RACK-PS-UK	LHC200A-RACK-PS-EU

SFPs

Category	Type	Code	SM or MM	Wavelength	Distance	DDM Support	Connector Type	Power Budget	Operating Temperature
1250-Mbps Fibre	SFP	LFP200	Multimode	850 nm	550 m	Yes	LC	7.5 dBm	-40 to +85° C
	SFP	LFP201-R2	Single-Mode	1310 nm	15 km	Yes	LC	14 dBm	-40 to +85° C
	SFP	LFP202	Single-Mode	1310 nm	40 km	Yes	LC	17 dBm	-40 to +85° C