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BLACK BOX®

The World's Source for ConnectivitySM

Workgroup Repeaters

These Repeaters not only boost the distance of your Ethernet network, they also join mismatched media.

Key Features

- ▶ Achieve distances of up to 1.2 miles (1.9 km) over fiber.
- ▶ Compatible with most popular network types, including FOIRL and 10BASE-FL.
- ▶ Autopartitioning.
- ▶ BNC Repeaters feature an internal terminator so no "T" connector is needed.
- ▶ RJ-45 Repeaters (for UTP segments) detect and correct reversed polarity.
- ▶ Built-in LEDs.
- ▶ FCC Class B approved.
- ▶ Autosensing power supply can be used all over the world.

Media Repeaters add distance to your Ethernet LAN. For example, you can add 1.2 miles (2 km) between coax or twisted-pair segments by using two Repeaters with fiberoptic connectors and fiber cable.

And you can connect any two Ethernet segments—IEEE 802.3, 10BASE5, 10BASE2, 10BASE-T, FOIRL, and 10BASE-FL.

An internal autosensing power supply automatically adjusts to both domestic and international power sources.

BNC ports are equipped with an internal terminator so you don't need to supply a separate "T" connector.

RJ-45 (UTP) ports have an uplink switch so no crossover cable is needed.

LEDs keep you up to date on segment status and help you troubleshoot. Workgroup Repeaters are equipped with diagnostic LEDs to make troubleshooting easy. Status LEDs are on the front of the

unit where they are easily viewed. Port-specific LEDs are on the rear of the unit so you can view LINK and ACTIVITY right where the connections are.

An autopartitioning feature isolates link failures and keeps them from affecting the rest of the network. When the Repeater detects a problem, it shuts down the failed link. Then it reactivates the connection as soon as the problem is fixed.

As an added bonus, the Repeaters also provide 100% collision detection, data

retiming, and automatic preamble regeneration, to keep your data safe.

Because there are no hardware or software changes to make, installation takes just minutes, too. Just plug in the segment connectors, and you're ready to go.

Note: Workgroup Repeaters are no longer available with the older SMA connectors. If you require SMA connections, contact Technical Support for advice.

Ordering Information

This information will help you place your order quickly.

Specifications

Compliances —

UL 478, 1012, 1950;
CSA 22.2 No. 234,950;
VDE 0805; IEC 950;
FCC Class B

Switching Frequency —

35 KHz

CE Approval —

All items listed are approved

Connectors —

Fiberoptic: SC or ST; ThinNet: BNC for RG58 coax cable; 10BASE-T: RJ-45 female; Standard Ethernet: DB15 F

Indicators —

Each unit has (3) LEDs for Power, Activity, and Collision, plus (2) for Partition (one for each segment); Units with FO or UTP ports have (1) Link LED per FO or UTP connector

Power —

100 to 240 VAC, 50 to 60 Hz, 1A, 12 watts maximum, internal autosensing power supply

Size —

1.2"H x 3.8"W x 7.5"D (3 x 9.7 x 19.1 cm)

Weight —

1.8 lb. (0.8 kg) with power module

PRODUCT NAME

Workgroup Repeaters

ORDER CODE

BNC/BNC	LE4200A-R3
BNC/UTP	LE4205A-R3
AUI/BNC	LE4201A-R3
AUI/AUI	LE4202A-R3
AUI/UTP	LE4206A-R3
Fiber/BNC	
ST	LE4203A-R3
SC	LE4203A-SC
Fiber/AUI	
ST	LE4204A-R3
SC	LE4204A-SC
Fiber/Fiber	
ST/ST	LE4207A-R3
SC/SC	LE4207A-SC
ST/SC	LE4207A-ST/SC
Fiber/UTP	
ST	LE4208A-R3
SC	LE4208A-SC
UTP/UTP	LE4209A-R3