

AUI to BNC Transceiver • AUI to 10BASE-FL Transceiver

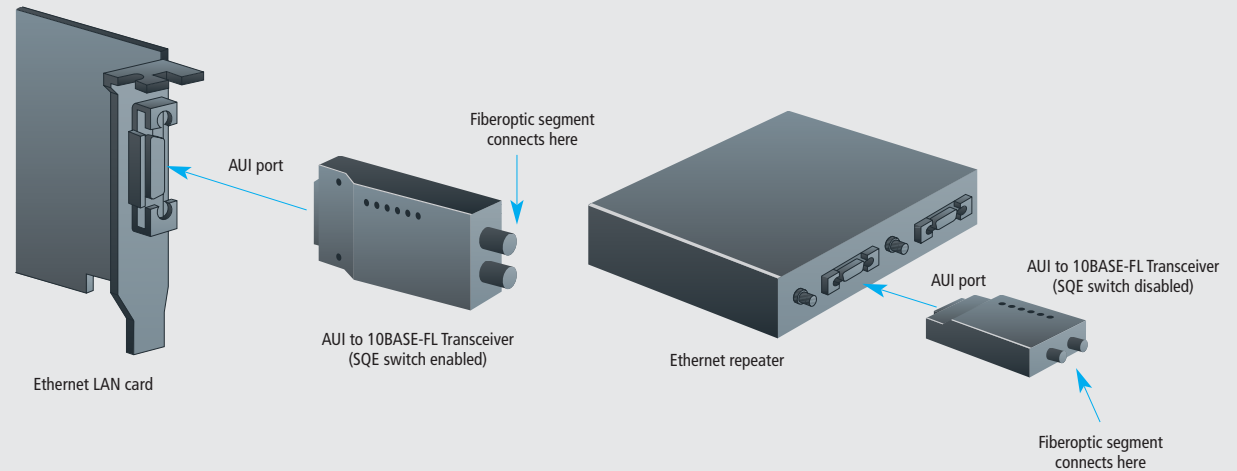


**Link legacy Standard Ethernet devices
to ThinNet or fiberoptic networks.**

FEATURES

- Install the transceiver either directly on an Ethernet device via the AUI port or using an AUI cable.
- Models available for ThinNet or fiberoptic connections.
- SQE (Signal Quality Error) switch enables or disables SQE (heartbeat) test.
- Link integrity test on the fiber model checks fiber cables.
- Compact design.

Attaching an AUI to 10BASE-FL Transceiver to an Ethernet card or repeater.



OVERVIEW

AUI Transceivers provide a way to connect legacy Ethernet devices to ThinNet (10BASE2) or 10BASE-FL cabling.

The AUI to BNC Transceiver (LE1601A) enables you to connect a legacy Ethernet device with an AUI connector to Thin Ethernet coaxial cable. It extends coaxial cable segments up to 606.8 feet (185 m) without a repeater. This transceiver complies with the 10BASE2 specification for Thin Ethernet networks.

Or connect your legacy Ethernet device to a multimode 10BASE-FL fiberoptic network or device using the AUI to 10BASE-FL Transceiver (LE1603A). The 10BASE-FL segments can be up to 1.2 miles (1.9 km) long. The LE1603A fits the requirements of the 10BASE-FL Ethernet standard.

On the AUI side of the transceivers, you can use a standard AUI cable (50 feet [15.2 m] long) to connect to the Ethernet device, or you can directly mount the transceiver to the DTE.

Both models feature an SQE (Signal Quality Error) switch that enables or disables Signal Quality Error (heartbeat). SQE must be enabled when connecting the transceiver to a LAN card, bridge, or router. This test must be disabled when connecting to a hub or repeater. The BNC model has a 2-position slide switch that sets SQE. On the fiber model, SQE is set via a 4-position DIP switch.

LEDs tell you network status at a glance. The AUI to 10BASE-FL Transceiver also features a link integrity test that automatically checks fiberoptic cables.



LE1603A

TECH SPECS

Maximum Cable Segment Distance —

Both models: AUI port: Up to 50 ft. (15.2 m);
 LE1601A: Coaxial: Up to 606.8 ft. (185 m);
 LE1603A: Fiber: Up to 1.2 mi. (1.9 km)

Speed — 10 Mbps

Standards —

LE1601A: IEEE 802.3 10BASE2;
 LE1603A: IEEE 802.3 10BASE-FL

User Controls — LE1601A: (1) SQE slide switch;

LE1603A: (1) 4-position DIP switch (SQE, Link Alert, Link, and Full Duplex)

Connectors — LE1601A: (1) DB15 AUI M, (1) BNC F;

LE1603A: (1) DB15 AUI M, (2) ST®

Indicators — LE1601A: (2) LEDs: (1) Power, (1) SQE;

LE1603A: (6) LEDs: (1) Power, (1) Link, (1) Transmit, (1) Receive,
 (1) Collision, (1) Full Duplex

Temperature Tolerance —

Operating: 32 to 122°F (0 to 50°C);
 Storage: -40 to +212°F (-40 to +100°C)

Relative Humidity — Operating: 8 to 80%, noncondensing;

Storage: 5 to 98%, noncondensing

Power — From the AUI interface

Size — LE1601A: 0.8"H x 1.6"W x 3.8"D (2 x 4.1 x 9.7 cm);

LE1603A: 0.8"H x 1.6"W x 3.4"D (2 x 4.1 x 8.6 cm)

Weight — 0.2 lb. (<0.1 kg)

WHAT'S INCLUDED

- ◆ (1) AUI to BNC or 10BASE-FL Transceiver
- ◆ (1) BNC "T" connector (included with LE1601A only)
- ◆ (1) Users' manual

Item	Code
AUI to BNC Transceiver	LE1601A
AUI to 10BASE-FL Transceiver	LE1603A
You might also need...	
Ethernet Transceiver Cable (Office Environment) Stranded Copper Connectors, Double Shielded ThinNet Cable (NEC® CL2 & CL2P), PVC	LCN215 LCN300
Ceramic Terminated Multimode Fiber Optic Cable, ST-SC, Duplex, Riser	EFN4010

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