

*** AUI to BNC Ethernet Transceiver

INTRODUCTION

Thank you for selecting Ethernet high performance coaxial external transceiver family products for your Ethernet networking operation. The family products are designed to comply with IEEE802.3 Medium Attachment Unit (MAU) specification and 10Mbps Ethernet CSMA/CE operation to provide on Attachment Unit Interface (AUI) for AUI-to-Thin or Thick coaxial Ethernet networks.

FEATURES

- ◆ Complies to Ethernet IEEE802.3 and Ethernet 1.0/2.0 specifications.
- ◆ Support thick and thin Ethernet connections.
- ◆ Selectable SQE (Heartbeat) function.
- ◆ Isolation voltage between network trunk cable and the AUI connector.
- ◆ Power LED indicator.
- ◆ Compact design allows direct connection to the AUI port on a network device.

INSTALLATION

Here's how to attach a device to the end of the a network using Thin Ethernet cables and external transceivers.

Turn off the device you want to connect to the network. Plug the T-connector into the transceiver box, and attach the network cables BNC connector to one of the T-connector post on the transceiver, push and then twist the BNC connector on the cable to secure the connection.

Plug the 50Ohm terminator into the other end of T-connector post on the transceiver.

Connect the transceiver box to AUI device via AUI cable or direct mount to AUI port.

Turn the device back on and make sure you can see the networks services, the power LED on the transceiver box should be it.

Pin	Name	Pairs	Use
3	DO+	Transmit	Data Out +
10	DO-	Pair	Data Out -
11	DO S		Data Out Shield
5	DI+	Receive	Data In +
12	DI-	Pair	Data In -
4	DI S		Data Shield
7	NC		Not Connected
15	NC		Not Connected
8	NC		Not Connected
2	CI +	Collision	Control In +
9	CI -	Pair	Control In-
1	CI S		Control Shied
6	VC	Power	Voltage Common

13	VP	Pair	Voltage Common
14	VS		Voltage Shield
Shell	PG		Protective
Ground			

ET-517

*** AUI to UTP Ethernet Transceiver

INTRODUCTION

The 10Base-T transceiver box twisted pair Ethernet Medium Attachment Unit (MAU) provides the complete Attachment Unit Interface (AUI) to 10Base-T interface. It is connected through a standard AUI cable. The MAU includes the complete Transmission, receiving and collision detection, jabber timer, link test function as specialized by the IEEE802.3 10Base-T for use in a 10MbpsCSMA/CD Ethernet on a twisted pair LAN system.

FEATURES

- ♦ Complies to Ethernet IEEE802.3 10Base-T standard.
- ♦ A 15-pin AUI connector for direct attachment to the AUI port on a network device or for a standard AUI cable..
- ♦ A 8-pin RJ-45 connector for UTP cable.
- ♦ Switched to enable or disable SQE test.
- ♦ 5 LEDs indicate the status of Power, Link, Collision , Transmit and Receive..

INSTALLATION

Turn the network device power off.

Insert a RJ-45 twisted pair link segment connector (MDI connector) on the unit.

Secure the transceiver to the AUI post.

If the port has a slide latch, slide it until the mounting posts on the transceiver are captured.

RJ-45 connector

Pin	Symbol	Function	Signal Type
1	TX+	Transmit data plus	Output
2	TX-	Transmit data minus	Output
3	RX+	Receive data plus	Input
4	NC	No connection	
5	NC	No connection	
6	RX-	Receive data minus	Input
7	NC	No connection	
8	NC	No connection	