FlexPoint 10AUI/T
Ethernet AUI to 10BASE-T Transceiver

The FlexPoint 10AUI/T is a 10BASE-T to Attachment Unit Interface (AUI) converter. The transceiver provides the physical medium conversion between units equipped with the AUI and the unshielded twisted pair (UTP) connectors.

The FlexPoint 10AUI/T Transceiver operates in Half-Duplex. It supports switch-enabled SQE function, also known as heartbeat. This signal tests the collision detection electronics of the transceiver, and informs the Ethernet interface that the collision detection circuits and signal paths are working correctly.

Descriptions of the LED indicators are provided on the label for easy in-the-field configuration, installation and maintenance. The LEDs report the availability of power, port activity and link status, collision and jabbers. The Collision/Jabber LED provides error indications. Collisions are the result of multiple hosts trying to use an Ethernet segment at the same time while jabbers are frames that exceed the maximum frame size.

A crossover switch eliminates the need for a crossover cable and facilitates connectivity to network equipment such as hubs, switches and workstations.

FlexPoint modules can be mounted utilizing optional wall-mounting hardware or with DIN-rail mounting brackets. They can also be rack-mounted in a 5-Module shelf or in a high-density 14-Module, power-redundant Powered Chassis.

FlexPoint modules installed in the 5-Module shelf or used as standalone devices can be powered by an external AC to DC power adapter, or through the 5VDC chassis connector. Standalone modules can also be powered by attaching an external DC power supply (18-60VDC) or from the AUI connector. When used in the 14-Module power-redundant Powered Chassis with any combination of AC and DC power supplies, the installed modules are powered via the 5VDC chassis connector.

The wide variety of FlexPoint mounting and power options provide flexible upgrade paths as network requirements change and grow.

FlexPoint unmanaged media converters are easy to use and provide dependable fiber connectivity in Enterprise and Government networks around the world.

KEY FEATURES

■ IEEE 802.3 AUI to 10BASE-T Transceiver

■ Half-Duplex operation

■ Connects to any AUI host, powered or non-powered

■ Multiple power options

■ Switch-selectable SQE function

■ Labeled status LEDs and switches for quick and easy installation

■ Wall-mount or rack-mount on a 5-Module shelf or in a 14-Module power-redundant FlexPoint Powered Chassis

■ Completely software independent with no installation of drivers required

■ Peace-of-mind reliability backed by a lifetime warranty and free 24/7 technical support

SPECIFICATIONS

Model Type	10 AUI/T		
Protocols	IEEE 802.3		
UTP Cable	EIA/TIA 568A/B, Category 3 and higher		
Connector	AUI: DB15 male with mounting posts Copper: RJ-45, pins 1-2, 3-6 active		
Switches	SQE: Enable/Disable 10BASE-T Range: Normal (100m), Extended (>100m) UTP Crossover		
Distance	AUI: 50m 10BASE-T: 100m		
LED Displays	Power: Yellow LED = Power Applied AUI Rx: Green LED = Data Received on AUI UTP Link/Rx: Green LED = Data Received on UTP Collision/Jabber: Yellow LED = Collision/Jabber Detected		
Dimensions	W: 3.0" x D: 4.0" x H: 1.0"		
Weight	6 oz. (without power adapter)		
Compliance	UL, CE, FCC Class A		
Power Requirements	**Nominal Voltage:** **Voltage Range:** **Power Nominal:** **Maximum Power:**	**AUI Connector** 12VDC 8.0 - 15.0VDC 1.0A @ 12VDC 0.75A @ 12VDC	**Barrel Connector** 9VDC 8.0 to 15.0VDC 0.8A @ 9VDC 1A @ 9VDC	**Molex Connector** 5VDC 4.75 to 5.25VDC 0.8A @ 5VDC 1A @ 5VDC
Temperature	0 to 50º C		
Humidity	5 to 95% (non-condensing)		
Altitude	-100m to 4000m		
MTBF (Hours)	Module without Power Adapter: 1,200,000 Module with Power Adapter **-1**: 250,000 Module with Power Adapter **-2**: 100,000		

FC (UL) CE

ORDERING INFORMATION

Connector Type	Distance	Connector Type
		AUI
UTP	100m	**4321-x**

Description	Length	Part Number
AUI Cable	3 ft.	**9141-3**

Power Adapter Kits (-x):
-0 = No power adapter included
-1 = 110-120 VAC/60 Hz (US plug),
-2 = 100-240 VAC/50-60 Hz (IEC plug, no power cord).

Contact Omnitron for other fiber options and operational temperature ranges

CONFIGURATION

The 9141-3 cable, ordered separately, is used to connect the FlexPoint 10AUI/T to a external AUI device. The 9141-3 is a 15-pin D style, male/female, straight-through cable. It has a sliding clip in place of the thumbscrews normally found on a D-connector to hold two connectors together.

OST Omnitron Systems Technology, Inc.