

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 (4392) 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 18-60 VDC power supply (4384) 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. See Ordering Information for chassis options and accessories.

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
- Commercial (0 to 50°C) and wide (-40 to 60°C) temperature ranges
- TAA, BAA and NDAA Compliant, and Made in the USA
- Peace-of-mind reliability backed by a lifetime warranty and free 24/7 technical support

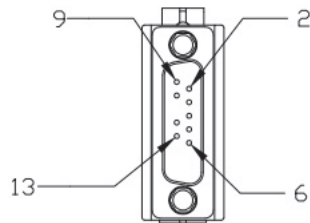
SPECIFICATIONS

Description	FlexPoint 10AUI/T 10AUI to 10BASE-T Media Converter	
Standard Compliances	IEEE 802.3	
Regulatory Compliances	Safety:	UL, cUL, CE, UKCA
	EMI:	FCC Class A
	ACT:	TAA, BAA, NDAA
Environmental	RoHS, WEEE, REACH	
Port Types	AUI:	10AUI (DB-15 male)
	Copper:	10BASE-T (RJ-45)
Cable Types	AUI:	Ethernet AUI cable (50 meters max)
	Copper:	EIA/TIA 568A/B, Cat 3 and higher
Dimensions W x D x H	3.0" x 4.0" x 1.0" (76.2 mm x 101.6 mm x 25.4 mm)	

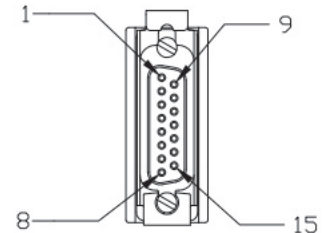
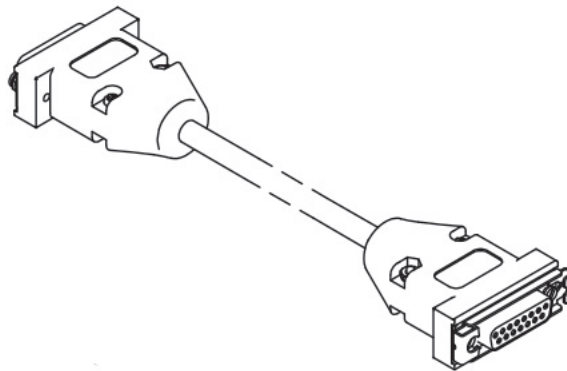
AC Power Requirements	AC Adapter:	100 - 240VAC/50 - 60Hz 0.01A @ 120VAC (typical)	
DC Power Requirements	Barrel Connector	Molex Connector	AUI Connector
Voltage Range:	8.0 to 15.0VDC	4.75 to 5.25VDC	8.0 to 15VDC
Nominal Voltage:	9VDC	5VDC	12VDC
Nominal Power:	0.1A @ 9VDC	0.2A @ 5VDC	0.07A @ 12VDC
Weight	Without AC Adapter:	6 oz. (170.1 grams)	
Temperature	Commercial:	0 to 50°C	
	Wide:	-40 to 60°C	
	Storage:	-40 to 80°C	
Humidity	5 to 95% (non-condensing)		
Altitude	-100m to 4,000m		
MTBF (hrs)	Without AC Adapter (-0):	1,200,000	
	With AC Adapter (-1):	250,000	
	With AC Adapter (-2):	100,000	
Warranty	Lifetime warranty with 24/7/365 free Technical Support		



To connect the FlexPoint 10AUI/T to an external AUI device, use the 9141-3 cable (not included). 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.



DA-15 Male Connector



DA-15 Female Connector

ORDERING INFORMATION

Step 1: Choose a Base Part Number (xxxx-pt)

Model Number	Description
4321-pt	10AUI to 10BASE-T Media Converter, 50 meters (AUI) to 100 meters (UTP)
Contact Omnitron for other operational temperature ranges and RoHS (5/6) compliant models	

Step 2: Choose a Power Option (xxxx-pt)

-0 = Barrel Connector, No AC/DC Power Adapter
-1 = Barrel Connector and US AC/DC Power Adapter, 100-240 VAC, 50-60Hz
-2 = Barrel Connector and Universal AC/DC Power Adapter, 100-240VAC, 50-60Hz (requires AC power cord)

Step 3: Choose an Operating Temperature (xxxx-pt)

<leave blank> = Commercial temperature (0 to 50°C)
W = Wide temperature (-40 to 60°C)



-1 = Barrel Connector and US AC/DC Power Adapter, 100-240 VAC, 50-60Hz



-2 = Barrel Connector and Universal AC/DC Power Adapter, 100-240VAC, 50-60Hz (requires AC power cord)

ACCESSORIES

Model Number	Description	Model Number	Description
4380	Wall-Mounting Hardware Kit for Modules	4381	Wall-Mounting Hardware Kit for DC to DC Power Adapter
4384	DC to DC Power Adapter	4384-W	DC to DC Power Adapter, Wide Temperature (-40 to 60°C)
4385	14-Module Chassis with two 48VDC Power Supplies	4386	14-Module Chassis with one 48VDC Power Supply
4389	Spare 48VDC Power Supply	4392	5-Module Rack-Mount Shelf
4395	14-Module Chassis with two AC Power Supplies	4396	14-Module Chassis with one AC Power Supply
4399	Spare AC Power Supply	8250	DIN-Rail Mounting Kit

See all FlexPoint accessories on [FlexPoint Chassis and Mounting Options product page](#)