

### FlexPoint® 10T/2 10BASE-T Copper to 10BASE-2 Coax Media Converter

The FlexPoint 10T/2 is a Half-Duplex 10BASE-T RJ-45 to 10BASE-2 coax media converter that facilitates the connection of a coax segment to a 10BASE-T hub or workstation.

No manual configuration is required with the plug-and-play FlexPoint 10T/2. Connect the UTP and coax cables and the installation is complete.

The FlexPoint 10T/2 support distances up to 100m using category 3 cable and higher. The FlexPoint 10T/2 detects and corrects wiring polarity reversals, and features a crossover switch that facilitates connection to a hub or a workstation.

The FlexPoint 10T/2 features a BNC connector supporting 50 ohm cabling with distances up to 185m. Per IEEE 802.3 standard, up to 30 workstations can be attached to the coax segment. A termination switch provides a convenient 50 ohm cable termination.

Descriptions of the LED indicators are provided on the label for easy in-the-field installation and maintenance. The LEDs report the availability of power, port activity and link status, polarity reversal detection and correction, collision and jammers.

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). 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

- 10BASE-T copper to 10BASE-2 coax converter
- Seamlessly connects 10BASE-2 devices to 10BASE-T hubs or workstations
- Supports 50 ohm coax to a maximum distance of 185m and 30 stations
- Features convenient, switch-selectable coax line termination to save cost and space
- Features a UTP crossover switch and automatic polarity detection, correction and indication
- Labeled status LEDs 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
- Commercial (0 to 50°C) and wide (-40 to 60°C) temperature ranges
- TAA, BAA and NDAA compliant, and Made in the USA
- Completely software independent with no installation of drivers required
- Peace-of-mind reliability backed by a lifetime warranty and free 24/7 technical support

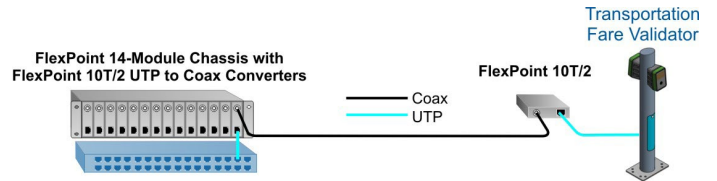
# SPECIFICATIONS

<b>Description</b>	<b>FlexPoint 10T/2</b> 10BASE-T Copper to 10BASE-2 Coax Media Converter		
<b>Standard Compliances</b>	IEEE 802.3		
<b>Regulatory Compliances</b>	Safety:	UL, cUL, CE, UKCA	
	EMI:	FCC Class A	
	ACT:	TAA, BAA, NDAA	
<b>Environmental</b>	RoHS, WEEE, REACH		
<b>Port Types</b>	Coax:	10BASE-2 (BNC)	
	Copper:	10BASE-T (RJ-45)	
<b>Cable Types</b>	Coax:	50 ohm, RG-58/U, RG-58C/U or equiv	
	Copper:	EIA/TIA 568A/B, Cat 3 UTP and higher	
<b>AC Power Requirements</b>	AC Adapter:	100 - 240VAC/50 - 60Hz 0.09A @ 120VAC (typical)	
<b>DC Power Requirements</b>	Voltage Range: Nominal Voltage: Nominal Power:	Barrel Connector	Molex Connector
		8.0 to 15.0VDC 9VDC 0.47A @ 9VDC	4.75 to 5.25VDC 5VDC 0.84A @ 5VDC
<b>Dimensions W x D x H</b>	3.0" x 4.0" x 1.0" (76.2 mm x 101.6 mm x 25.4 mm)		
<b>Weight</b>	Without AC Adapter:	6 oz. (170.1 grams)	
<b>Temperature</b>	Commercial:	0 to 50°C	
	Wide:	-40 to 60°C (-25°C cold start)	
	Storage:	-40 to 80°C	
<b>Humidity</b>	5 to 95% (non-condensing)		
<b>Altitude</b>	-100m to 4,000m		
<b>MTBF (hrs)</b>	Without AC Adapter (-0):	1,200,000	
	With AC Adapter (-1):	250,000	
	With AC Adapter (-2):	100,000	
<b>Warranty</b>	Lifetime warranty with 24/7/365 free Technical Support		



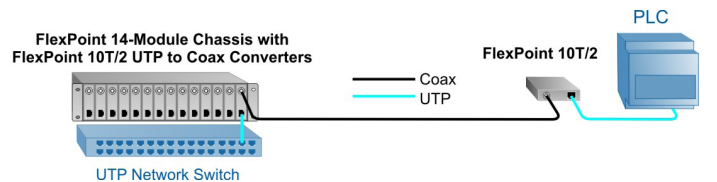
# APPLICATION EXAMPLES

In the application below, a FlexPoint 10T/2 media converter is used to connect a Transportation Fare Validator that has an RJ-45 UTP port to the existing coax infrastructure. The FlexPoint 10T/2 converts the 10BASE-T RJ-45 connection from the Fare Validator to 10BASE-2 coax. At the head end, the FlexPoint 10T/2 installed in a high-density 14-Module chassis converts the coax back to UTP and provides connectivity to the Network Switch.



The FlexPoint 10T/2 converters can be installed as a standalone device up to 100m away from the Fare Validator, mounted on a 5-Module shelf (1U), or installed in a 14-Module powered chassis (2U) as seen above.

In this second application, FlexPoint 10T/2 media converters can be used to connect PLC devices in industrial and manufacturing environments. The FlexPoint 10T/2 are available in commercial (0 to 50°C) and wide (-40 to 60°C) temperature ranges to accommodate various installation environments.



# ORDERING INFORMATION

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

Model Number	Description
4320-pt	10BASE-T to 10BASE-2 Media Converter, 100 meters (UTP) to 185 meters (Coax)
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 Option (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](#)

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