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

The FlexPoint 10T/2 is a Half-Duplex 10BASE-T UTP 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 supports categories 3, 4 or 5 wiring and connects to distances up to 100m. 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 jabbers.

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

■ The FlexPoint 10T/2 is a Half-Duplex 10BASE-T 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

■ 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

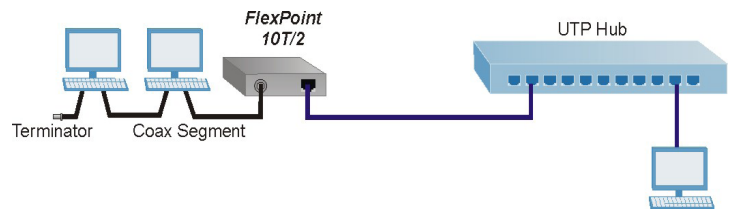| Model Type	10 T/2
Protocols	IEEE 802.3, 10BASE-T, 10BASE-2
UTP Cable	EIA/TIA 568A/B, Category 5 and higher
UTP Connectors	RJ-45 pins 1-2, 3-6 active, Categories 3, 4, 5 (EIA/TIA 568)
Copper Connectors	BNC, 50 ohm, RG-58/U, RG-58C/U, RG-58/U or equivalent
Switches	UTP Crossover Coax termination
LED Displays	**Power**: Yellow LED = Power Applied **Jabber**: Red LED = Jabber Condition **UTP Link:** Green LED = Device Present **UTP Receive:** Green LED = Data Received **UTP Collision:** Yellow LED = Collision Detected **UTP Polarity:** Yellow LED = Polarity Corrected **Coax Receive:** Green LED = Data Received **Coax Collision:** Yellow LED = Collision 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	**Barrel Connector** / **Molex Connector** (see below)
Temperature	Standard: 0 to 50° C Wide: -40 to 60° 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

Power Requirements

	Barrel Connector	**Molex Connector**
Nominal Voltage:	9VDC	5VDC
Voltage Range:	8.0 to 15.0VDC	4.75 to 5.25VDC
Power Nominal:	0.8A @ 9VDC	0.8A @ 5VDC
Maximum Power:	1A @ 9VDC	1A @ 5VDC

*-25° C coldstart minimum

APPLICATION EXAMPLE

A FlexPoint 10T/2 provides media conversion between a 10BASE-2 and 10BASE-T network. The FlexPoint 10T/2 connects 10BASE-2 workstations to a 10BASE-T hub across a maximum distance of 100m.

ORDERING INFORMATION

FlexPoint 10T/2	Coax Distance
4320-x	185m

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).

For wide temperature (-40 to 60º C), add a ""W"" to the end of the model number (example: 4320-1-W).

Contact Omnitron for other fiber options and operational temperature ranges

Omnitron Systems Technology, Inc.