



DESCRIPTION

The FlexPoint 10FL/2 converts 10BASE-FL fiber to 10BASE-2 coax. It supports ST fiber and BNC coax connector.

See data sheet for supported models.

The FlexPoint 10FL/2 features a 50 ohm line termination switch for the coax port. Termination should only be used when the converter is connected at the end of the coax segment.

The total length of the coax cable (RG-58/U, RG-58C/U or equivalent) must not exceed 185 meters and the number of stations on the coax segment must not exceed 30 stations (per IEEE 802.3 specification).

POWER ADAPTER NOTICE

When used in a stand-alone configuration, this product should always be used with its enclosed Power Adapter.

WARNING

Before plugging the Power Adapter to any wall outlet or AC power source, verify that the power on the unit is appropriate for your AC line voltage source.

SWITCH SETTINGS

Termination Switch: Term In / Term Out

When attaching anywhere along a coax cable except at the end, the Termination switch should be set to "Term Out" and a T connector should be used. When attaching at the end of a cable, the Termination switch should be set to "Term In" (factory default). When the switch is set to "Term In", an internal 50 ohm termination is applied. In this configuration, an external termination must not be attached.

Mounting

The FlexPoint 10FL/2 can be wall-mounted using a wall mounting kit (4380), rack-mounted using a 5-Module shelf (4392) or inserted in a 14-Module FlexPoint Powered Chassis.

When wall or rack mounting, connect the barrel connector at the end of the wire on the power adapter to the barrel connector on the module. Connect the power adapter to the AC outlet. Confirm that the module has powered up properly by checking the Power LED.

Attach the fiber cables to the FlexPoint fiber connector. The FlexPoint transmit (Tx) must attach to the receive side on the device at the far end of the fiber and the receive (Rx) must attach to the transmit side.

Connect the coax connector on the FlexPoint 10FL/2 to the coax segment. The connection method and termination setting will be determined by the topology of the coax segment. See Termination Switch settings.

LED Indicators

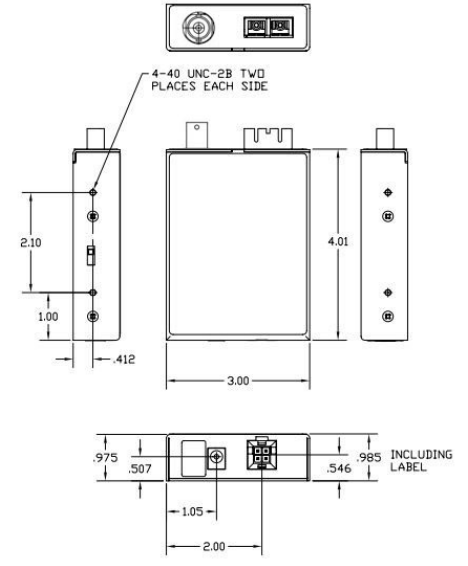
LED	Color	Description
Power	Yellow	Module has power
Jabber	Red	ON: Jabber condition
Fiber Link	Green	ON: Device detected at the end of the fiber
Fiber Rx	Green	ON: Receive data on the fiber port
Coax Rx	Green	ON: Receive data on coax
Collision	Yellow	ON: Collisions on coax

SPECIFICATIONS

Standard Compliances	IEEE 802.3	
Regulatory Compliances	Safety:	UL, CE, UKCA
	EMI:	FCC Class A
	ACT:	TAA, BAA, NDAA
Environmental	RoHS, REACH, WEEE	
Port Types	Coax:	10BASE-2 (BNC)
	Fiber:	10BASE-FL (ST, SC)
Cable Types	Coax:	50 ohm, RG-58/U, RG-58C/U or equiv
	Fiber:	Multimode: 50/125µm, 62.5/125µm Single-mode: 9/125µm
AC Power Requirements	AC Adapter:	100 - 240VAC/50 - 60Hz 0.09A @ 120VAC (max)
DC Power Requirements	DC Input: (AC Adapter)	+6.0 to +15.0VDC 0.8A @ 9VDC 2.5mm Barrel Connector
	DC Input: (Molex Connector)	+4.75 to +5.25VDC, 0.8A @ 5VDC

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)	
Weight	6 oz. (170.1 grams)	
Temperature	0 to 50°C	
Humidity	5 to 95% (non-condensing)	
Altitude	-100m to 4,000m	
MTBF (hrs)	Module:	1,200,000
	AC Adapter (-1): AC Adapter (-2):	250,000 100,000
Warranty	Lifetime warranty with 24/7/365 free Technical Support	

MECHANICAL



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Warranty

This product is warranted to the original purchaser (Buyer) against defects in material and workmanship for a period of two (2) years from the date of shipment. A lifetime warranty may be obtained by the original purchaser by registering this product at www.omnitron-systems.com/support within ninety (90) days from the date of shipment. During the warranty period, Omnitron will, at its option, repair or replace a product which is proven to be defective with the same product or with a product with at least the same functionality.

For warranty service, the product must be sent to an Omnitron designated facility, at Buyer's expense. Omnitron will pay the shipping charge to return the product to Buyer's designated US address using Omnitron's standard shipping method.

Limitation of Warranty

The foregoing warranty shall not apply to product malfunctions resulting from improper or inadequate use and/or maintenance of the equipment by Buyer, Buyer-supplied equipment, Buyer-supplied interfacing, unauthorized modifications or tampering with equipment (including removal of equipment cover by personnel not specifically authorized and certified by Omnitron), or misuse, or operating outside the environmental specification of the product (including but not limited to voltage, ambient temperature, radiation, unusual dust, etc.), or improper site preparation or maintenance.

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The remedies provided herein are the Buyer's sole and exclusive remedies. Omnitron shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any legal theory.

Environmental Notices

The equipment covered by this manual must be disposed of or recycled in accordance with the Waste Electrical and Electronic Equipment Directive (WEEE Directive) of the European Community directive 2012/19/EU on waste electrical and electronic equipment (WEEE) which, together with the RoHS Directive 2015/863/EU, for electrical and electronic equipment sold in the EU after July 2019. Such disposal must follow national legislation for IT and Telecommunication equipment in accordance with the WEEE directive: (a) Do not dispose waste equipment with unsorted municipal and household waste. (b) Collect equipment waste separately. (c) Return equipment using collection method agreed with Omnitron.

The equipment is marked with the WEEE symbol shown to indicate that it must be collected separately from other types of waste. In case of small items the symbol may be printed only on the packaging or in the user manual. If you have questions regarding the correct disposal of equipment go to www.omnitron-systems.com/support or e-mail to Omnitron at intlinfo@omnitron-systems.com.



Technical Support:

Phone: (949) 250-6510
Fax: (949) 250-6514
Address: Omnitron Systems Technology
38 Tesla
Irvine, CA 92618 USA
E-mail: support@omnitron-systems.com
URL: <http://www.omnitron-systems.com>

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Please complete both sides and mail or fax this registration form to:

Omnitron Systems Technology, Inc.

38 Tesla
Irvine, CA 92618 USA
Fax: (949) 250-6514

Please register on-line @ <http://www.omnitron-systems.com> or complete both sides and mail or fax this registration form to:

FlexPoint Type: ☐ 10FL/T ☐ 10FL/2 ☐ 10T/2 ☐ Other

Model: _____
Serial Number: _____
Purchased From: _____
Address: _____
City: _____ State: _____ Zip Code: _____
Country: _____
Comments and Suggestions: _____

Please complete both sides of this form

User Warranty Registration

Name: _____
Company: _____
Address: _____
City: _____ State: _____ Zip Code: _____
Country: _____
Phone: _____ Fax: _____
E-mail: _____

Please complete both sides of this form