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Omnitron Systems

FlexPoint™ 10/100 User Instructions

Description:

The FlexPoint 10/100 is a modular 10BASE-T or 100BASE-TX UTP to 100BASE-FX fiber media converter featuring a 10/100 auto-sensing RJ-45 port. The available models are shown below:

Model	Dual Fiber Type	Max Distance	Connector
4340	1310 nm (MM)	5 km	SC
4341	1310 nm (SM)	30 km	SC
4342	1310 nm (MM)	5 km	ST
4343	1310 nm (SM)	30 km	ST
4344	1310 nm (SM)	60 km	SC
4345	1310 nm (SM)	60 km	ST
4347	1550 nm (SM)	85 km	SC
4349	1550 nm (SM)	120 km	SC
4359	SFP	-	LC

Model	Single Fiber Type	Max Distance	Connector
4357-1	Tx13/Rx15 (SM)	20 km	SC
4357-2	Tx15/Rx13 (SM)	20 km	SC

About this Manual:

This document supports revision "3.x" of the FlexPoint 10/100. Please refer to the serial number label on the FlexPoint 10/100 for the revision number of your product.

Applying Power:

1. This product should only be used with Omnitron supplied AC power supply model numbers 9113-PS [US] or 9115-PS [Universal].

2. When used in a standalone configuration, this product must be used with a Listed Direct Plug-In Power Unit marked "Class 2" and rated at 9VDC, 1 Amp.

WARNING!

Before inserting the Power Adapter, verify that the power on the unit is appropriate for your AC line voltage source.

3. To power the unit using a DC power source, prepare a power cable using a two conductor insulated wire (not supplied) with a 14 AWG gauge minimum. Cut the power cable to the length required. Strip approximately 3/8 of an inch of insulation from the power cable wires. Connect the power cables to the unit by fastening the stripped ends to the DC power connector. Connect the power wires to the DC power source. The Power LED should indicate the presence of power.

Installation Procedure:

1. Configure the appropriate 10/100 DIP-Switch settings.

2. Connect the RJ-45 port via a Category 5 or better cable to a 10BASE-T or 100BASE-TX Ethernet device.

3. When using fixed fiber port models, connect the appropriate multimode or single-mode fiber cable to the fiber port of the installed module. It is important to ensure that the transmit (Tx) is attached to the receive side of the device at the other end and the receive (Rx) is attached to the transmit side.

4. When using a 10/100 SFP model, insert the SFP Fiber transceiver into the Port 1 SFP receptacle on the 10/100.

NOTE: The release latch of the SFP Fiber transceiver must be in the closed (up) position before insertion.

Switch Settings:

RJ-45 Crossover Switch

When the RJ-45 port is set to auto-negotiation, the Auto-Crossover functionality is enabled and the RJ-45 Crossover Switch is disabled. When the RJ-45 port is set to manual operation, the RJ-45 Crossover Switch is enabled. The switch provides a convenient way to connect to different devices and cables types.

UTP Auto/Man Switch

Setting the switch to "Auto" (factory default) enables the RJ-45 port to automatically determine the speed and duplex mode of the connected device. If the connected device cannot provide the proper signal to indicate its mode of operation, set the switch to "Man."

UTP 10/100 Switch

When the "Auto/Man" switch is in "Man" position, the "UTP 10/100" switch determines the speed of the RJ-45 port. When set to "100" (factory default), the RJ-45 port will operate at 100 Mbps. When set to "10" the RJ-45 port will operate at 10 Mbps.

UTP FDX/HDX Switch

When the "Auto/Man" switch is in "Man" position, the "UTP FDX/HDX" switch determines the duplex mode for the RJ-45 port. When set to "FDX" (factory default), the RJ-45 port operates in Full-Duplex. When set to "HDX", the RJ-45 port operates in Half-Duplex.

Fiber FDX/HDX Switch

Setting the "Fiber FDX/HDX switch to "FDX" sets the fiber port to Full-Duplex (factory default). Setting the "Fiber FDX/HDX switch to "HDX" sets the fiber port to Half-Duplex.

User Warranty Registration

Please register on-line **@ http://www.omnitron-systems.com** or 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

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

Please complete both sides of this form

User Warranty Registration

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

FlexPoint Type: 10/100, Fiber Type:_____Connector: _____
Model: _____
Serial Number: _____ Purchase Date: _____
Purchased From: _____
Address: _____
_____
City: _____ State: _____ Zip Code: _____
Country: _____
Comments and Suggestions: _____
_____
_____
_____
_____

Please complete both sides of this form

Warning

The operating description in this Instruction Manual is for use by qualified personnel only. To avoid electrical shock, do not perform any servicing of this unit other than that contained in the operating instructions, unless you are qualified and certified to do so by Omnitron Systems Technology, Inc.

Caution

All user-required operations can be performed without opening the unit. Never attempt to open or remove the cover or tamper with the unit.

Warranty

This product is warranted to the original purchaser against defects in material and workmanship for a period of TWO YEARS from the date of shipment. A LIFETIME warranty may be obtained by the original purchaser by REGISTERING this product with Omnitron within 90 days from the date of shipment. TO REGISTER, COMPLETE AND MAIL OR FAX THE REGISTRATION PORTION OF THIS INSTRUCTION MANUAL TO THE INDICATED ADDRESS. Or you may register your product on the internet at http://www.omnitron-systems.com. During the warranty period, Omnitron will, at its option, repair or replace a product which is proven to be defective.

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 defects 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.

No other warranty is expressed or implied. Omnitron specifically disclaims the implied warranties of merchantability and fitness for any particular purpose.

Exclusive Remedies

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.

LED Indicators:

LED	Color	Description
Power:	Yellow	Power applied
UTP Auto:	Green	Auto-Negotiation enabled
UTP FDx:	Green	Full-Duplex detected
UTP Link:	Green	Link / Data received
UTP 10:	Yellow	10 Mbps link detected
UTP 100:	Green	100 Mbps link detected
Fiber FDx:	Green	Full-Duplex selected
F/O Link:	Green	Link / Data received

Switches:

Description	Function
1- UTP Crossover:	Straight / Crossed
2- UTP Auto:	Auto-Negotiation / Manual
3- UTP 10/100:	10 Mbps / 100 Mbps
4- UTP Duplex:	Full-Duplex / Half-Duplex
5- Fiber Duplex:	Full-Duplex / Half-Duplex

Technical Support:

For help with this product, contact our Tech. Support:

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

Form: 040-04340-001E 10/13

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