**Omnitron Systems Technology, Inc.**

## FlexPoint™ Fiber to Fiber Converters User Instructions

**Description:**

The FlexPoint Fiber to Fiber Converter converts between single-mode (SM) and multimode (MM) fiber cable. It operates in Half-Duplex (HD) or Full-Duplex (FD). The following models are described here:

| Model # | Name | Fiber Type |
|---|---|---|
| 441x,2x | 100FF | SM-MM & MM-MM & SM-SM |
| 443x,4x | 1000FF | SM-MM & MM-MM & SM-SM |
| 445x | OC3FF | SM-MM & SM-SM |
| 446x | OC12FF | SM-MM |
| 465x | OC3FF | SM-SM |

Note: Refer to Data Sheets or website for distances.

**Mounting Accessories:**

| | |
|---|---|
| 4380 | FlexPoint Wall-Mounting Hardware Kit |
| 4392 | FlexPoint 5-Module Rack-Mounting Shelf |
| 4395 | FlexPoint 14-Module Power-Redundant Chassis |

**Power Adapter Notice:**

1. When used with an external power adapter, this product is intended to be and must be used only with a Listed Direct Plug-In Power Unit marked "Class 2" and rated at 9VDC, 1 Amp.
2. This product should only be used with an Omnitron Supplied Power Unit.
3. Models shipped with universal power supplies (models "44xx-2") are capable of auto switching from 100-230V, and are supplied with a U.S. type NEMA 5-15 power cable.
4. For products being shipped outside of the U.S., the user is required to install a properly grounded IEC 320-appliance cable with a minimum rating of 10 AMPs.
5. User-supplied cables must meet the required safety agency approvals, applicable international standards and electrical ratings for the region.

**WARNING!**

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

**Mounting instructions:**

The FlexPoint Fiber Converter can be solo-mounted using a wall-mounting kit, or rack-mounted using a 5-Module shelf, or a high-density FlexPoint 14-Module Power-Redundant Chassis.

**Cable Attachment to Fiber Converter**

FlexPoint Fiber to Fiber models support different fiber types (multimode and single-mode). Make sure the fiber connecting to the FlexPoint Fiber converter matches the description on the module.

FlexPoint Fiber to Fiber models support different wavelengths (850nm, 1310nm and 1550 nm). Make sure the wavelength matches the FlexPoint Fiber converter module.

The FlexPoint transmit (Tx) must attach to the receive side on other device; the receive (Rx) must attach to the transmit.

**100FF Auto-Negotiation:**

The FlexPoint 100FF automatically selects Full or Half-Duplex operation depending on the features of the device connected to the media converter.

**LED Indicators:**

| LED | Color | Description |
|---|---|---|
| **Power:** | Yellow | Power applied |
| **Link/Receive:** | Green | Link / data received |

### Technical Support

For help with this product, contact our Tech Support:

Phone: (949) 250-6510
Fax: (949) 250-6514
Address: Omnitron Systems Technology, Inc.
140 Technology Drive, #500
Irvine, CA 92618 USA
Email: support@omnitron-systems.com
URL: http://www.omnitron-systems.com

**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.**
**140 Technology Drive, #500**
**Irvine, CA 92618, USA**
**Fax: (949) 250-6514**

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

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.

**Notes:**

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Form: 040-04410-001-C 11/07

**User Warranty Registration**

Please register online at **http://www.omnitron-systems.com** or complete both sides and return this form to Omnitron Systems.

FlexPoint Type: _____ 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