



FlexPoint™ Gx Models				
Fiber Type / Dual Fiber [DF] or Single-Fiber [SF] / Wavelength	Distance	Fiber Connector Type		
		SC Model	MT-RJ Model	LC Model
MM / DF / 850nm	220m / 720ft	4370-x	4670-x	-
SM / DF / 1310nm	10km / 6.2mi	4371-x	4671-x	4673-x
SM / DF / 1310nm	25km / 15.5mi	4372-x	-	4674-x
SM / DF / 1550nm	65km / 40.4mi	4373-x	-	4675-x

[MM] = Multimode [SM] = Single-mode

Power options (-x)
 -0 No power supply adapter included
 -1 110VoIt / 60Hz [US]
 -2 230VoIt / 50Hz [Universal]
 For other power configurations, consult factory

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

1. This product should only be used with Omnitron Supplied Power Unit 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.

This document supports revision “2.x” of the FlexPoint Gx. Please refer to the serial number label on the FlexPoint Gx for the revision number of your product. This revision incorporates the following improvement to the FlexPoint Gx:

The FlexPoint Gx converts between 1000Base-X Gigabit Ethernet fiber and 1000Base-T twisted pair cabling. The fiber optic port supports Auto-Negotiation, which automatically detects and advertises the Duplex and Pause ability of connected devices. Multimode and single-mode models are described on page 1.

1.) Configure the appropriate FlexPoint Gx DIP-Switch settings. When connecting to a fiber optic device that is set to Auto-Negotiation mode, set the fiber optic Auto-Negotiation/Manual "An/Man" DIP-Switch of the FlexPoint Gx to "AN." When connecting to a fiber optic device that is set to manual mode, set the fiber optic "AN/Man" switch to "Man" and the UTP DIP-Switches to the settings of the connected devices.

3.) Connect the fiber optic port to a 1000Base-X Gigabit Ethernet device using a single-mode or multimode fiber cable (as appropriate). When connecting dual fiber models, the FlexPoint Gx transmitter (Tx) must attach to the receiver side of its link partner; the receiver (Rx) must attach to the transmitter. When connecting single-fiber (SF) models, the Tx wavelength on one end has to match the Rx wavelength on the other.

Fiber Optic Auto/Manual “AN/Man” DIP-Switch:
Setting this DIP-Switch to the “AN” (factory default) setting enables the fiber optic port of the FlexPoint Gx to detect the Duplex and Pause modes of the connected fiber optic and UTP devices. The UTP port of the Flexpoint Gx negotiates with the connected UTP device based on the modes detected by the fiber optic port. Both the FlexPoint Gx and the connected fiber optic device must have their fiber optic Auto-Negotiation enabled for this process to work.

Setting this DIP-switch to the Manual "Man" setting disables the fiber optic port's ability to detect the Duplex and Pause modes of the connected fiber optic device. In this setting, the UTP port of FlexPoint Gx negotiates with the connected UTP device based on the modes configured by the UTP DIP-Switches. This setting allows the FlexPoint Gx to connect to Gigabit fiber devices that are not capable of Auto-Negotiation.

Note: In Auto-Negotiation mode, connecting the fiber optic cables before connecting the UTP cables causes the fiber optic LED to blink steadily. The blinking LED turns solid when the UTP Link is on.

Note: The UTP “FDX/HDX”, “Pause/No”, and “LS/LP” DIP-Switches have no affect when the fiber optic port is set to Auto-Negotiation.

Note: When connecting a FlexPoint Gx revision “2.x” to a FlexPoint Gx revision “1.x”, the Fiber Optic Auto/Manual Dip-Switch of the “2.x” module must be set to the “Man” setting.

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.

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

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.

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

Setting the DIP-switch to “Full-Duplex” (factory default) allows the UTP port to Auto-Negotiate to Full-Duplex or Half-Duplex. Setting the DIP-switch to “Half-Duplex” forces the UTP port to Auto-Negotiate only to Half-Duplex.

Setting this DIP-switch to “Pause Enable” (factory default) allows the UTP port to Auto-Negotiate to Symmetrical and Asymmetrical Pause. Setting the DIP-switch to “Pause Disable” forces the UTP port to Auto-Negotiate only to No Pause.

Setting this DIP-switch to "LS" (factory default) allows the generation and detection of link presence to occur at each point-to-point segment. In this configuration, the loss of a receive link on either port has no effect on the other port's ability to transmit a link. For example, if there is a loss of a receive link on the fiber optic port, the UTP port continues to transmit a link.

Setting this DIP-Switch to “LP” allows the link state to propagate from one port to the other port. In this configuration, the loss of a receive link on either port causes the transmit link of the opposite port to be turned off. For example, if there is a loss of a receive link on the fiber optic port, the UTP port will not transmit its link due to the propagated fiber optic link state. This setting allows the loss of a link to be detected by SNMP or other managed network devices to which the FlexPoint Gx is connected.

Note: Only the first loss of a receive link detected by the FlexPoint Gx turns off the other port's transmit link. An additional loss of a receive link on the other port has no affect on the FlexPoint Gx. The FlexPoint Gx returns to normal operation when the first loss of a receive link is restored.

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

1140 Technology #500
Irvine, CA 92618, USA

Fax: (949) 250-6514

Name: _____

Company: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Country: _____

Phone: _____ Fax: _____

E-mail: _____

For help with this product, contact our Tech. Support

Phone: (949) 250-6510

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