FlexPoint™

MEDIA CONVERTERS

FlexPoint Chassis, Power and Mounting Options
For FlexPoint Media Converter Modules

The wide variety of FlexPoint mounting and power configurations provide flexible deployment options, and future upgrade paths as network requirements change and grow.

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.



FlexPoint 14-Module Power-Redundant Powered Chassis



The FlexPoint Powered Chassis is a 19” rack-mount chassis that houses up to 14 standalone FlexPoint media converter modules. The redundant power supplies are essential where reliability is important, and in mission-critical applications to ensure continuous operation.

Both of the universal AC or DC power supplies are hot-swappable and can be used in any combination. In case of a failure, a power supply can be hot-replaced while the second power supply supports the operation of the chassis.

The power control logic of the Powered Chassis provides load-sharing between the power supplies, increasing reliability and operational lifetime. The control logic provides power monitoring and an LED display for each supply in order to assist in status monitoring, rapid fault-isolation and network management.

The 14-Module Powered Chassis supports any combination of FlexPoint media converter modules which are individually secured and hot-swappable to ensure continuous operation.

KEY FEATURES

- The FlexPoint Powered Chassis is a rack-mount 14-Module power-redundant chassis for media converter modules
- Dual hot-swappable power supplies ensure continuous network operation
- LED displays provide network management with continuous power supply status monitoring
- Supports any combination of protocol-independent media converter modules and mixed media; saves space and makes installation and support easy
- Supports all FlexPoint media converter modules
- Converters are individually secured and hot-swappable for maximum connection reliability
- Standard 19” rack-mount dimensions allow space-saving and convenient installation
- Available in AC and DC models
- Commercial (0 to 50° C) and wide (-40 to 60° C) temperature ranges
- Completely software independent with no installation of drivers required
- Peace-of-mind reliability backed by a lifetime warranty and free 24/7 technical support

FlexPoint 5-Module Rack-Mounting Shelf



The rack-mounting shelf holds up to five standalone FlexPoint media converter modules. Each converter is individually powered in order to provide a low-cost solution in a compact installation space.

FlexPoint Wall-Mounting Kit



When individual mounting is required, the wall-mounting kit provides a convenient way to secure a FlexPoint converter to a wall or a side of a desk. The mounting hardware is easy to use and flexible in a variety of installation applications.

FlexPoint DC Adapter



Designed for telecommunications and IT applications such as campuses and phone centers that use DC power as a primary power source, the FlexPoint DC Converter allows any FlexPoint media converter to be powered from an 18 to 60VDC power source. Not for use in the FlexPoint 5-Module Rack-Mount Shelf.

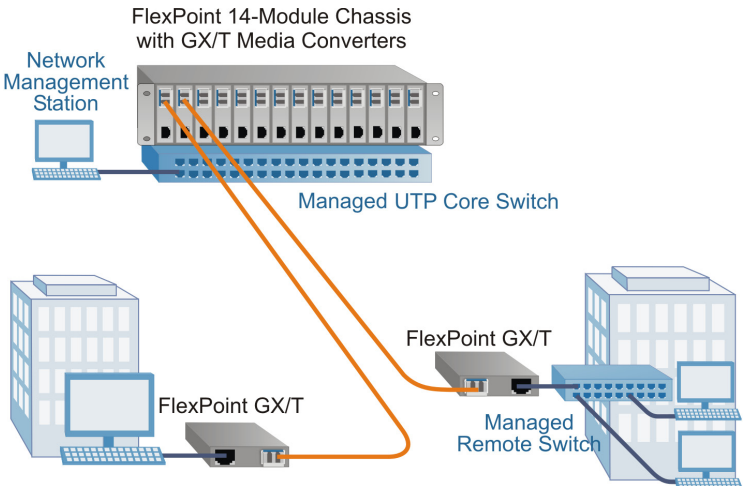
DIN-rail Mounting Bracket



The Universal DIN-rail Mounting Bracket is designed to provide DIN-rail capabilities for the FlexPoint and FlexPoint converter with DC Adapter modules. The kit contains all the necessary components for several different mounting orientations.

APPLICATION EXAMPLE

In this campus application, FlexPoint GX/T media converters are installed in a 14-Module Redundant Power chassis for high-density fiber distribution from UTP switch equipment at the Network Core. A UTP workgroup switch is connected via fiber with a standalone FlexPoint GX/T media converter. Another FlexPoint GX/T converts the fiber to UTP in a fiber-to-the-desktop application. In all cases, multimode or single-mode fiber can be used, and fiber links can be extended up to 140km using single-mode fiber.



SPECIFICATIONS

FlexPoint 14-Module Power-Redundant Powered Chassis

Description	14-Module AC	14-Module DC
Model Number	4395	4385
Module Capacity	14	
Power Supply Capacity	1 - 2 Power Supplies	
Regulatory Compliances	UL, CE, FCC Class A	
Power Requirements (typical)	100 to 240 VAC 50-60 Hz 1.5A @ 110VAC IEC 320 C14	38 to 60VDC 3.0A @ 48VDC 3-Pin Terminal (Isolated)
Dimensions	W: 19.0" x D: 9.5" x H: 3.5" L: 482.6 mm x B: 241.3 mm x H: 88.9 mm	
Weight	6 lbs. 2.72 kg.	
Temperature Commercial: Wide: Storage:	 0 to 50°C N/A -40 to 80°C	 0 to 50°C -40 to 60° C (-25° C cold start) -40 to 80°C
Humidity	5 to 95% (non-condensing)	
Altitude	- 100 to 4,000m	
MTBF (hrs) 1 Power Supply: 2 Power Supplies:	 43,000 172,000	
Warranty	Lifetime warranty with 24/7/365 free Technical Support	

FlexPoint 5-Module Rack-Mounting Shelf

Description	5-Module Shelf
Model Number	4392
Module Capacity	5
Dimensions	W: 19.0" x D: 5.0" x H: 1.75" L: 482.6 mm x B: 127 mm x H: 44.5 mm
Weight	2 lbs. 0.91 kg.
Warranty	Lifetime warranty with free 24/7/365 Technical Support

FlexPoint DC Adapter

Description	DC Adapter
Model Number	4384
Module Capacity	1
Regulatory Compliances	UL, CE, FCC Class A
Power Requirements (typical)	18 to 60VDC 0.3A @ 48VDC 3 Pin Terminal Connector (Isolated)
Dimensions	W: 3.1" x D: 4.3" x H: 1.0" L: 78.7 mm x B: 109.2 mm x H: 25.4 mm
Weight	6 oz. 170.1 grams
Temperature Commercial: Wide: Storage:	 0 to 50°C -40 to 60°C (-25°C cold start) -40 to 80°C
Humidity	5 to 95% (non-condensing)
Altitude	- 100 to 4,000m
MTBF (hrs)	300,000
Warranty	Lifetime warranty with free 24/7/365 Technical Support

ORDERING INFORMATION

Model Number	Description
4385	FlexPoint 14-Module 48VDC Power-Redundant Powered Chassis
4386	FlexPoint 14-Module 48VDC Single-Power Supply Powered Chassis
4389	Redundant Power Supply for Model 4385
4395	FlexPoint 14-Module AC Power-Redundant Powered Chassis
4396	FlexPoint 14-Module AC Single-Power Supply Powered Chassis
4399	Redundant Power Supply for Model 4395
4392	FlexPoint 5-Module Rack-Mount Shelf
4380	FlexPoint Wall-Mounting Hardware Kit
8250	FlexPoint DIN-Rail Mounting Kit
4381	Wall-Mounting Hardware Kit for DC Power Adapter (4384)
4384	FlexPoint 1-Module 18-60VDC Power Adapter
4384-W	FlexPoint 1-Module 18-60VDC Power Adapter Wide Temperature Model (-40 to 60°C)

© 2014 Omnitron Systems Technology, Inc. All rights reserved. FlexPoint is a Trademark of Omnitron Systems Technology, Inc. Trademarks are owned by their respective companies. Specifications are subject to change without notice.
091-04395-001E 6/14