Omnitron Systems

FlexPoint® Powered Chassis

AC Power-Redundant
14-Module Chassis

User Manual

38 Tesla Irvine, CA 92618
(949) 250-6510; Fax: (949) 250-6514

General and Copyright Notice

Warranty

This network 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. The warranty for the network product can be extended to lifetime by registering the 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.

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

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.omniton-systems.com/support or e-mail to Omnitron at intlinfo@omnitron-systems.com.

Safety Warnings and Cautions

ATTENTION: Observe precautions for handling electrostatic discharge sensitive devices.

WARNING: Potential damage to equipment and personal injury.

WARNING: Risk of electrical shock.

Customer Support Information

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

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FlexPoint®
14-Module AC Power Chassis
User Manual

Product Overview

The FlexPoint Powered Chassis is a chassis capable of holding up to 14 FlexPoint media converter modules. It is equipped with two power supplies in a power-redundant configuration.

14-Module Chassis

This User Manual describes the following models:

Model Number	Model Type	Power Description
4395	FlexPoint 14-Module Chassis with **two** AC Power Supplies	IEC 320 C14 100 to 240 VAC, 50-60 Hz 1.5A @ 110VAC
4396	FlexPoint 14-Module Chassis with **one** AC Power Supply	IEC 320 C14 100 to 240 VAC, 50-60 Hz 1.5A @ 110VAC
4399	Spare AC Power Supply for Listed Chassis	IEC 320 C14 100 to 240 VAC, 50-60 Hz 1.5A @ 110VAC

Unpacking, Visual Inspection and Inventory

Review the contents. The following items should be included:

- FlexPoint 14-Module Power Chassis
- 1 or 2 power supplies depending on the model ordered
- 14 L Shape Brackets to secure modules to chassis
- 14 screws for L Shape Brackets
- User Manual

Inspect equipment and immediately report any damage or discrepancies to Omnitron at 949-250-6510. If equipment is damaged, do not apply power to the equipment.

Rack Mounting

Mount and attach the chassis to the rack using the appropriate rack mounting screws (not provided).

The rack should be appropriately earth-grounded.

The operating temperature of this equipment is 0 to 50 degrees C. If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack must not exceed the maximum rated temperature for the chassis used.

Installation of the equipment should be such that the air flow in the front and back of the unit is not compromised or restricted.

Installing this equipment into a rack in such a way as to make it unstable may cause injury or death. Always make sure that the rack you are installing this equipment into is properly secured, stable, balanced and designed to carry the weight and weight distribution of this equipment.

Never use this equipment to carry any weight except its own. Never use it as a shelf to support the weight of other equipment.

Installing Modules

Modules are installed in the chassis by attaching the L shaped bracket to the bottom of the module.

The side of the bracket with two holes will be installed on the module by removing the screws from the module and using them to attached the bracket to the module.

The side of the bracket with one hole will be installed on the chassis using the included screw.

L Shaped Bracket for Mount Modules to Chassis

Save the unused brackets in a safe place or secure them to unused chassis openings.

AC Powered Chassis Preparation and Cabling

Power source should be available within 5 ft. of the chassis and installed per the National Electrical Code, ANSI/NFPA-70.

The AC power supply requires 100-240VAC, 1.5 Amps, 50/60Hz.

Appropriate overloading protection should be provided on all AC power source outlets utilized.

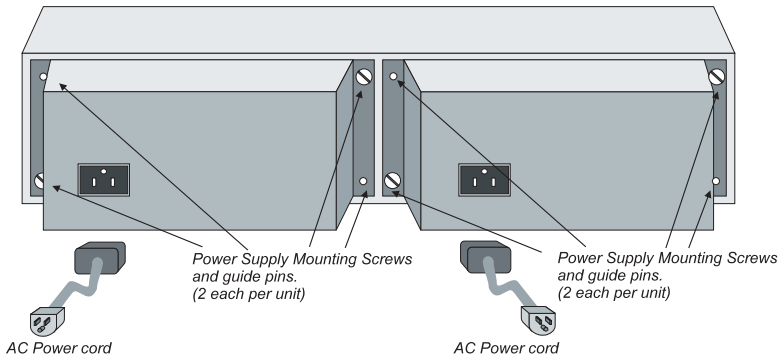
Make sure that both FlexPoint Chassis power supplies are properly attached to the chassis using the mount screws and guide pins.

Attach the AC power cords (provided for each Power Supply) to the back of each Power Supply. Connect the AC power cords to the AC outlets and switch the outlets ON.

Check the power LED's on the front panel of the powered chassis. The two LED's should be ON (depending on the number of power supplies installed).

WARNING!!!

NEVER ATTEMPT TO OPEN THE CHASSIS OR SERVICE THE POWER SUPPLY OR FAN MODULE. OPENING THE CHASSIS MAY CAUSE SERIOUS INJURY OR DEATH.
THERE ARE NO USER REPLACEABLE OR SERVICEABLE PARTS IN THIS UNIT.



14-Module Chassis with Two Installed AC Power Supplies

The power supplies are hot swappable and can be replaced without shutting the chassis down. However, when removing and replacing a power supply, the following removal and installation steps must be strictly followed in order to prevent serious injury or death or serious damage to your equipment. Removal of power supplies or modules will result in access to hazardous electricity.

Removal of AC Power Supply

Determine which power supply needs replacing by observing the LEDs in the front left of the chassis. The top LED indicates the power status of the right power supply. The bottom LED indicates the power status of the left power supply.

14-Module Chassis Showing Power Supply Location and Power LEDs

If the LEDs are ON, it indicates that the power supply is operational. If the LEDs are OFF, it may indicate that the AC power is not applied. Please verify that your AC power source is providing power.

Once you determine that your AC plug is connected properly to an AC wall outlet, and the power supply LED is still not ON, determine which is the faulty power supply unit and proceed to the next step.

Remove the AC power cord of the faulty power supply from the wall outlet.

Remove the AC power cord of the faulty power supply from the power supply unit.

Loosen the 2 thumb screws securing the power supply to the chassis and remove the faulty power supply.

Installation of AC Power Supply

Unpack the power supply carefully. Inspect for any damage. If any damage is observed, do not use the power supply and call 949-250-6510 to report the damage.

Install the power supply to the chassis using the mount screws and guide pins.

Plug the AC cord to the back of the power supply.

Plug the AC cord to the AC wall outlet.

Observe the LED in the front of the chassis indicating that the power has been restored.

Specifications

Regulatory Compliances	Safety: EMI: ACT:	UL, cUL, CE, UKCA FCC Class A TAA, BAA, NDAA
Environmental	RoHS, WEEE, REACH	
Power Requirements	100 to 240 VAC, 50-60 Hz 1.5A @ 110VAC IEC 320 C14	
Dimensions (W x D x H)	19.0" x 9.5" x 3.5" (482.6 mm x 241.3 mm x 88.9 mm)	
Weight	6 lbs. (2.72 kg.)	
Temperature	Commercial: Storage:	0 to 50°C -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	

Mechanical