iConverter

iConverter® 2-Module Power Chassis

The *iConverter* 2-Module Power Chassis is a compact, versatile chassis featuring a single internal universal AC or 18-60VDC power supply. The chassis provides housing for all *iConverter* media converters and switch modules.

The 2-Module Chassis features a backplane that enables sharing of Ethernet data between two installed *iConverter* modules that are equipped with Ethernet backplane ports. This enables the chassis to support a variety of networking configurations. Installing an *iConverter* copper-to-fiber module and a four-port switch module provides a fiber uplink and five 10/100 user ports. A fiber-to-fiber module can be used to provide an access point in a fiber ring, supporting four 10/100 user ports.

In Enterprise networks, the 2-Module Chassis can be used to extend a fiber network connection across a campus or to add a node to an existing fiber ring. The 2-Module Chassis provides a carrier-grade solution; combining media conversion with a managed, compact edge switch.

In Service Provider networks, installing an *iConverter* Network Interface Device (NID) plug-in module and a four-port switch module provides a securely managed Carrier Ethernet demarcation for one or more User-to-Network Interfaces (UNI). This configuration provides an MEF certified deployment supporting advanced Operation, Administration and Maintenance (OAM) features.

Equipped with an *iConverter* management module or a module with integrated management, the 2-Module Chassis provides a securely managed solution capable of supporting advanced Ethernet services for Enterprise and Service Provider metro networks. It can be remotely managed via IP-based SNMP or Telnet.

Modules with integrated management, such as the *iConverter* 10/100M2, installed in the 2-Module Chassis can also provide remote management for the configuration and monitoring of the installed modules. This provides a flexible solution for Enterprise or Service Provider applications where a securely managed edge device is required.

The 2-Module Chassis can be wall-mounted using the optional wall mounting kit or installed on a stable, flat surface.

*Modules not included.

- 2-Module chassis feature an internal AC or DC power supply

- Houses all models of hot-swappable *iConverter* media converter and switch modules

- NEBS Level 3 Certification

- Ethernet backplane ports for connectivity to installed modules to support a wide variety of configurations

- Management is available with the addition of a management module to the chassis

- SNMP management via *NetOutlook*® provides real-time port and module information, remote parameter configuration and trap notification

- Optional support for wide temperature range of -40 to +60⁰ C

- Wall-mount or tabletop options for flexible installations

- Lifetime Warranty and free 24/7 Technical Support

Omnitron Systems Technology, Inc.

SPECIFICATIONS

Chassis Type	2-Module AC 8.5 watts	2-Module AC 16.5 watts	2-Module DC 6.6 watts	2-Module DC 16.5 watts
Model Number Standard Dying Gasp	8230-0 8230-1	8231-0 8231-1	8235-0 8235-1	8236-0 8236-1
Module Capacity	2			
Power Supply Capacity	Fixed Internal			
Input Power Requirements (typical)	100 to 240VAC, 50/60Hz 0.5A @ 120VAC	100 to 240VAC, 50/60Hz 0.5A @ 120VAC	+/- 18 to 60VDC -48VDC @ 1.0A	+/- 18 to 60VDC -48VDC @ 2.0A
Backplane Power	2.6A @ 3.3VDC 1.5A per slot	5A @ 3.3VDC 2.5A per slot	2A @ 3.3VDC 1.5A per slot	5A @ 3.3VDC 2.5A per slot
Dimensions	W:6.7" x D:5.51" x H:1.87"			
Weight	2.5 lbs			
Compliance	UL, CE, FCC Class A, NEBS Level 3			
Temperature	Standard: 0 to 50º C Wide: -40 to 60º C Storage: -40 to 80º C			
Humidity	5 to 95% (non-condensing)			
Altitude	-100m to 4000m			
MTBF(hrs)	151,000	413,000	329,000	538,000

MANAGEMENT

Management is accomplished by using an optional *iConverter* Network Management Module (NMM) or an *iConverter* module with integrated management, such as the 10/100M2. Management can be accessed through a menu-driven command-line interface (CLI) via Telnet or the Serial Console Port. Management can also be accessed through a SNMP-based graphical user interface (GUI) such as Omnitron's *NetOutlook* management software.

The intuitive *NetOutlook* network management software provides real-time detailed port and module information as well as parameter configuration and event monitoring. *NetOutlook* can be used as a stand-alone application under Windows 98/XP/NT/2k/Vista or integrated with third-party SNMP management software.

Fixed parameters that can be monitored include chassis configuration, power supply health status and network traffic statistics for the modules.

In addition to all standard *iConverter* SNMP traps such as module insertion and removal, 2-Module Chassis models 8230-1, 8231-1, 8235-1 and 8236-1 support Dying Gasp traps (Power Loss Traps) in the event of loss of power. All of these events can be selectively enabled or disabled to cause SNMP traps.

APPLICATION EXAMPLES

In this Enterprise application, media converter modules are installed in a managed *iConverter* 19-Module Chassis for high-density fiber distribution from UTP switch equipment. A fiber ring connects both buildings to the Network Core. At each building, a fiber-to-fiber module is installed in a 2-Module chassis with a four-port switch module. The two modules share data via the Ethernet Backplane. This configuration functions as a remotely managed departmental switch with a fiber ring to the Network Core and four 10/100 ports. The 2-Module chassis can also be utilized in a point-to-point application as illustrated in the Service Provider application.
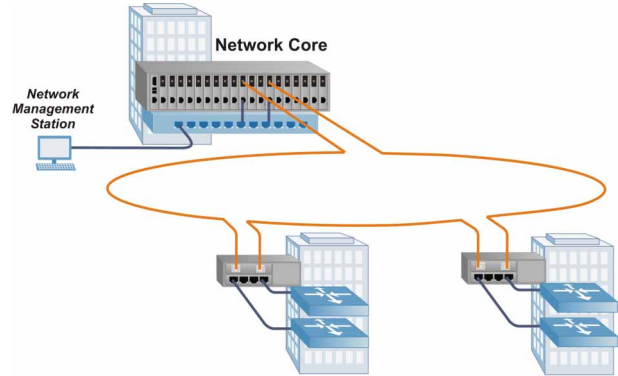
In this Service Provider application, media converter modules are installed in a managed *iConverter* 19-Module Chassis for high-density fiber distribution from UTP switch equipment. At the Customer Premises, an *iConverter* NID module and a four-port switch module are installed in a 2-Module Chassis. A fiber link between the Central Office and the Customer Premise provides a securely managed demarcation solution supporting advanced OAM fault detection and performance monitoring.
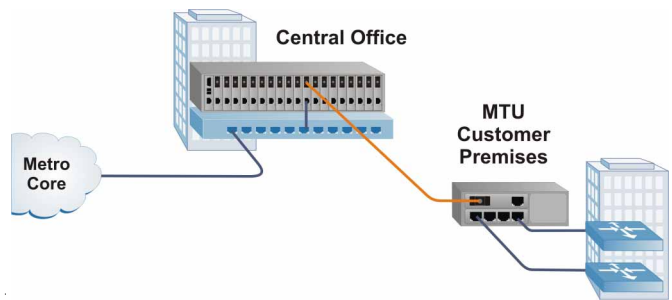
ORDERING INFORMATION

Configuration	2-Module AC 8.5 watts	2-Module AC 16.5 watts	2-Module DC 6.6 watts	2-Module DC 16.5 watts
2-Module Chassis	8230-0	8231-0	8235-0	8236-0
2-Module Chassis with Dying Gasp Support	8230-1	8231-1	8235-1	8236-1
Wall-Mount Hardware Kit	8249-0	8249-0	8249-0	8249-0
Blank Module Panel	8090-0	8090-0	8090-0	8090-0

For wide temperature (-40 to 60º C), add a "W" to the end of the model number. Consult factory for extended temperature (-40 to +75º C) models.

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