

### 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 multi-service platform 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 or 10/100/1000 user ports.

Equipped with an iConverter management module or Network Interface Device (NID), the 2-Module Chassis provides a secure, local or remote managed solution capable of supporting advanced Ethernet services for Enterprise and Service Provider networks. It can be remotely managed via IP-based SNMP or Telnet.

The 2-Module Chassis is ideal for extending a fiber network connection across a campus. The 2-Module Chassis provides a carrier-grade solution; combining a compact, managed edge switch.

Installing an iConverter 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.

The iConverter 2-Module Chassis can be wall-mounted using the optional wall mounting kit or installed on a stable, flat surface. Utilizing the iConverter 19" rack-mount shelf, two chassis can be securely mounted side-by-side.



Modules not included

### KEY FEATURES

- 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
- Wall-mount or tabletop options for flexible installations
- Management is available with the addition of a management module to the chassis
- SNMP management via NetOutlook® provides real-time port and module status information, remote parameter configuration and trap notification
- Commercial (0 to +50° C), wide (-40 to +60° C) and extended (-40 to +75° C) temperature ranges
- TAA, BAA and NDAA compliant, and Made in the USA
- Lifetime Warranty and free 24/7 Technical Support

# MANAGEMENT

Management provides remote configuration, monitoring and trap notification. Management of the chassis and modules is accomplished by installing an iConverter Management Module (NMM2) or Network Interface Device (NID) in the same chassis.

The Management Module can be accessed via SNMP, Telnet and serial port. The chassis and modules can be managed with Omnitron's intuitive, graphic-oriented NetOutlook SNMP Management Software or third party SNMP management software. Management via the Telnet and the serial interfaces have an easy-to-use, menu-driven interface.

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, 8232-1, 8235-1, 8236-1 and 8238-1 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 generate SNMP traps.

# SPECIFICATIONS

Description	2-Module AC No Fan	2-Module AC with Temp. Controlled Fan	2-Module AC with High Airflow Fan*	2-Module DC No Fan	2-Module DC with Temp. Controlled Fan	2-Module DC with High Airflow Fan*
<b>Model Number</b>						
<b>Standard:</b>	8230-0	8231-0	N/A	8235-0	8236-0	N/A
<b>Dying Gasp:</b>	8230-1	8231-1	8232-1	8235-1	8236-1	8238-1
<b>Module Capacity</b>	2					
<b>Power Supply Capacity</b>	Single Fixed Internal Power Supply					
<b>Regulatory Compliances</b>	Safety: UL, cUL, CE, NEBS Level 3, UKCA EMI: FCC Class A ACT: TAA, BAA, NDAA					
<b>Environmental</b>	RoHS, WEEE, REACH					
<b>Input Power Requirements (typical)</b>	100 to 240VAC, 50/60Hz 0.5A @ 120VAC	100 to 240VAC, 50/60Hz 0.5A @ 120VAC	100 to 240VAC, 50/60Hz 0.5A @ 120VAC	+ / - 18 to 60VDC 1.0A @ -48VDC	+ / - 18 to 60VDC 2.0A @ -48VDC	+ / - 18 to 60VDC 2.0A @ -48VDC
<b>Output Power</b>	8.5 watts 2.6A @ 3.3VDC 1.5A per slot	16.5 watts 5A @ 3.3VDC 2.5A per slot	16.5 watts 5A @ 3.3VDC 2.5A per slot	6.6 watts 2A @ 3.3VDC 1.5A per slot	16.5 watts 5A @ 3.3VDC 2.5A per slot	16.5 watts 5A @ 3.3VDC 2.5A per slot
<b>Input Power Connector</b>	IEC 320 Socket	IEC 320 Socket	IEC 320 Socket	3-Pin Terminal (Isolated)	3-Pin Terminal (Isolated)	3-Pin Terminal (Isolated)
<b>Dimensions W x D x H</b>	6.7" x 5.51" x 1.87" (170.18 mm x 139.95 mm x 47.5 mm)					
<b>Weight</b>	2.5 lbs (1.14 kg)					
<b>Temperature</b>	Commercial: 0 to 50°C Wide: -40 to 60°C Extended: -40 to 75°C - DC models only Storage: -40 to 80°C					
<b>Humidity</b>	5 to 95% (non-condensing)					
<b>Altitude</b>	- 100m to 4,000m					
<b>MTBF (hrs)</b>	151,000	413,000	50,000	329,000	538,000	50,000
<b>Warranty</b>	Lifetime warranty with 24/7/365 free Technical Support					

High Airflow power supplies are required for iConverter XG+, XGT+ and GM4 installations. Refer to [Application notes](#).



3-Pin Terminal Models



IEC 320 Models

# ORDERING INFORMATION

## Step 1: Choose a Base Part Number (xxxx-xt)

Model Number	Model Type	Power Description
8230-0t	2-Module Chassis with 8.5 watt AC Power Supply, No fan	IEC 320 Socket, 100 to 240VAC, 50/60Hz, 0.5A @ 120VAC, with US Power Cord
8230-1t	2-Module Chassis with 8.5 watt AC Power Supply, No fan, with dying gasp	IEC 320 Socket, 100 to 240VAC, 50/60Hz, 0.5A @ 120VAC, with US Power Cord
8231-0t	2-Module Chassis with 16.5 watt AC Power Supply, with temperature controlled fan	IEC 320 Socket, 100 to 240VAC, 50/60Hz, 0.5A @ 120VAC, with US Power Cord
8231-1t	2-Module Chassis with 16.5 watt AC Power Supply, with temperature controlled fan, with dying gasp	IEC 320 Socket, 100 to 240VAC, 50/60Hz, 0.5A @ 120VAC, with US Power Cord
8232-1t	2-Module Chassis with 16.5 watt High Airflow AC Power Supply, with fan, with dying gasp	IEC 320 Socket, 100 to 240VAC, 50/60Hz, 0.5A @ 120VAC, with US Power Cord
8235-0t	2-Module Chassis with 6.6 watt 48 VDC Power Supply, No fan	Direct DC 3-Pin Terminal, +/- 18 to 60 VDC, 1.0A @ 48VDC, no Power Cord
8235-1t	2-Module Chassis with 6.6 watt 48 VDC Power Supply, No fan, with dying gasp	Direct DC 3-Pin Terminal, +/- 18 to 60 VDC, 1.0A @ 48VDC, no Power Cord
8236-0t	2-Module Chassis with 16.5 watt 48 VDC Power Supply, with temperature controlled fan	Direct DC 3-Pin Terminal, +/- 18 to 60 VDC, 2.0A @ 48VDC, no Power Cord
8236-1t	2-Module Chassis with 16.5 watt 48 VDC Power Supply, with temperature controlled fan, with dying gasp	Direct DC 3-Pin Terminal, +/- 18 to 60 VDC, 2.0A @ 48VDC, no Power Cord
8238-1t	2-Module Chassis with 16.5 watt High Airflow 48 VDC Power Supply, with fan, with dying gasp	Direct DC 3-Pin Terminal, +/- 18 to 60 VDC 2.0A @ 48VDC, no Power Cord

High Airflow fans are always turned on.

High Airflow models are only available with dying gasp.

Use the [Power Calculator](#) to determine the iConverter chassis power supplies required for your module configuration.

High Airflow power supplies are required for iConverter XG+, XGT+ and GM4 installations. Refer to [Application notes](#).

Contact Omnitron for other operating temperatures and RoHS (5/6) compliant models.

## Step 2: Choose an Operating Temperature Range (xxxx-xt)

<leave blank> = Commercial temperature (0 to 50°C)
W = Wide temperature (-40 to 60°C)
Z = Wide temperature (-40 to 75°C) - DC models only

# ACCESSORIES

Model Number	Description
8249-0	Wall-Mount Hardware Kit
8260-0	19" Rack-Mount Shelf
8090-0	Blank Module Panel
See <a href="#">Chassis and Mounting Options product page</a>	

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