

iConverter 5-Module Chassis **Managed Redundant-Power Chassis**

The iConverter 5-Module Chassis is designed for Enterprise Local Area Network (LAN) and Metropolitan Area Network (MAN) applications where fault tolerance and reliability are essential. The 1U (1.75 inch) high iConverter 5-Module Chassis has redundant power supplies and can be mounted in a 19-inch or 23-inch rack.

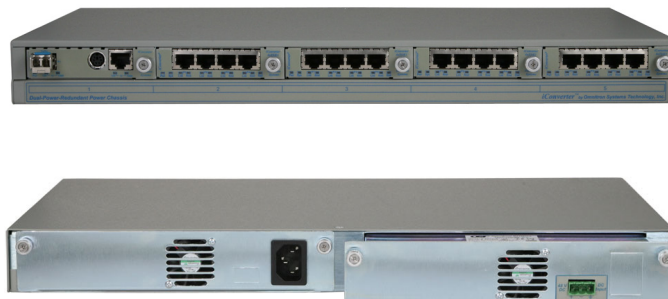
The 5-Module Chassis features two hot-swappable redundant power supplies. Universal AC, 24VDC and 48VDC power supplies can be used in any combination. The redundant power supplies operate in load-sharing mode to reduce the burden on each power supply to extend the lifetime and fault tolerance.

Power is provided to up to five iConverter modules via the chassis backplane. When used with an iConverter management module, the management capabilities include the ability to monitor the voltage, current and temperature of each power supply. Any out of range violation can trigger an SNMP trap to allow quick corrective maintenance.

In addition to handling the power and management data for each iConverter module, the 5-Module Chassis backplane allows sharing of Ethernet data between the individual modules. iConverter modules that are installed in adjacent slots and equipped with Ethernet backplane ports have the ability to connect to each other via the chassis' Ethernet backplane and facilitate a variety of flexible management options including unmanaged, out-of-band managed, in-band managed and multi-port configurations.

The high reliability of the redundant power system combined with its AC and DC power options and its ability to hold five converters in a 1U height make the 5-Module Chassis the ideal choice in a Central Office (CO), Customer Premises (CPE), multi-tenant (MTU) or for Point of Presence (POP) applications where reliability and space are critical.

The iConverter 5-Module Chassis supports the entire family of iConverter fiber media converters. All iConverter modules are hot-swappable and support multiple mounting options. In addition to the 5-Module Chassis, they can be mounted in a 19-Module (2U, 3.5 inch high) space-saving rack-mountable chassis (19-inch or 23-inch) with any combination of triple redundant AC, 24VDC and 48VDC power supplies, in a 2-Module AC or 18-60VDC power chassis or in a 1-Module AC power chassis.



KEY FEATURES

- The iConverter 5-Module Chassis is 1U (1.75 inch) high and supports 19-inch or 23-inch rack mounts
- Redundant, hot-swappable AC, 24VDC and 48VDC power supplies for mission critical networks
- NEBS Level 3 Compliant
- Ethernet backplane allows modules to share data and support a wide variety of network applications
- Fiber Cable Management Tray available for high-density CWDM deployments
- SNMP management via NetOutlook® provides real-time port and module status information, remote parameter configuration and trap notification
- Management is available with the addition of a management module to the chassis
- Commercial (0 to +50° C) and wide (-40 to +60° C) temperature ranges
- All iConverter modules are hot-swappable when used with the 5-Module Chassis
- Lifetime Warranty and free 24/7 Technical Support

ORDERING INFORMATION

Description	5-Module Chassis				
	AC (33 watts)	AC (66 watts)	24VDC (33 watts)	48VDC (33 watts)	48VDC (66 watts)
One (1) Power Supply	8220-1	-	8226-1	8225-1	-
Two (2) Power Supplies	8220-2	8221-2	8226-2	8225-2	8227-2
Spare Power Supply	8220-9	8221-9	8226-9	8225-9	8227-9
For wide temperature (-40 to 60°C) add a "W" to the end of the model number. Consult factory for extended temperature (-40 to 75°C) models.					

Accessories	
Model Number	Description
8092-2	23" Rack Mount Kit
8096-1	19" Cable Management Tray
8096-2	23" Cable Management Tray
8090-0	Blank Module Panel

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

MANAGEMENT

Management is accomplished by installing an iConverter Management Module (NMM2) or Network Interface Device (NID) in the chassis.

The Management Module can be accessed via SNMP, Telnet, and via a 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 on the 5-Module Chassis include the chassis type and model, manufacturing information, along with hardware and software revisions and serial numbers of the power supplies.

In addition, the power supply modules can generate SNMP traps for out of voltage or chassis temperature range violations. All of these events can selectively enabled or disabled to generates SNMP traps.

SPECIFICATIONS

Description	5-Module AC	5-Module AC* High Airflow	5-Module 24VDC	5-Module 48VDC	5-Module 48VDC* High Airflow
Model Number	8220-x	8221-2	8226-x	8225-x	8227-2
Module Capacity	5				
Power Supply Capacity	1 or 2	2	1 or 2	1 or 2	2
Regulatory Compliance	UL, CE, FCC Class A, NEBS Level 3, RohS2, WEEE				
Input Power Requirements (typical)	100 to 240VAC 50/60Hz 0.5A @ 120VAC	100 to 240VAC 50/60Hz 1.5A @ 120VAC	+/- 18 to 36VDC 1.4A @ 24VDC	+/- 36 to 60VDC 0.7A @ 48VDC	+/- 36 to 60VDC 2.0A @ 48VDC
Output Power	33 watts 10A @ 3.3VDC	66 watts 20A @ 3.3VDC	33 watts 10A @ 3.3VDC	33 watts 10A @ 3.3VDC	66 watts 20A @ 3.3VDC
Power Connector	IEC 320 Socket	IEC 320 Socket	3-Pin Terminal (Isolated)	3-Pin Terminal (Isolated)	3-Pin Terminal (Isolated)
Dimensions	W: 17.15" x D: 9.0" x H: 1.75" L: 435.6 mm x B: 228.6 mm x H: 44.5 mm				
Weight	With 1 Power Supply: With 2 Power Supplies:		7.5 lbs (3.40 kg) 9.0 lbs (4.08 kg)		
Temperature	Commercial: Wide: Storage:		0 to 50°C -40 to 60°C -40 to 80°C		
Humidity	5 to 95% (non-condensing)				
Altitude	-100m to 4,000m				
MTBF (hrs)	1 Power Supply: 43,000 2 Power Supplies: 173,000	2 Power Supplies: 90,000	1 Power Supply: 49,700 2 Power Supplies: 198,000	1 Power Supply: 49,700 2 Power Supplies: 198,000	2 Power Supplies: 90,000
Warranty	Lifetime warranty with 24/7/365 free Technical Support				

* Agency compliances are pending. Required for iConverter XG+ models. Register at www.omnitron-systems.com to download the iConverter XG+ Usage Guide.

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