

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

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. It is designed for Enterprise Local Area Network (LAN) and Metropolitan Area Network (MAN) applications where fault tolerance and reliability are essential.

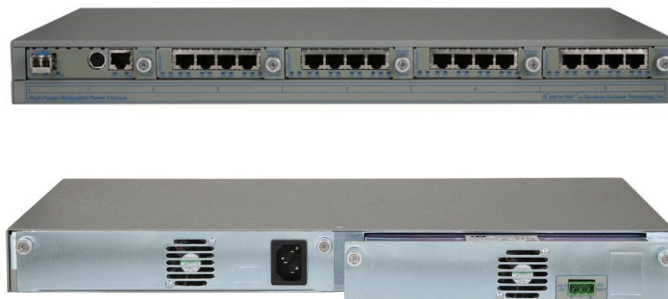
The 5-Module Chassis features two hot-swappable redundant power supplies. Universal AC, 24VDC and 48VDC power supplies can be used in any combination. Omnitron's redundant power supplies operate in load-sharing mode to reduce the burden on each power supply to extend the lifetime and fault tolerance.

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 network applications 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
- Standard temperature range of 0 to +50° C and Wide temperature range of -40 to +60° C
- 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 information, remote parameter configuration and trap notification
- Management is available with the addition of a management module to the chassis
- All *iConverter* modules are hot-swappable when used with the 5-Module Chassis
- Lifetime Warranty and free 24/7 Technical Support

## ORDERING INFORMATION

Configuration	5-Module Chassis				
	AC (33 watts)	AC High Airflow (66 watts)	24VDC (33 watts)	48VDC (33 watts)	48VDC High Airflow (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
23" Rack Mount Kit	8092-2				
19" Cable Management Tray	8096-1				
23" Cable Management Tray	8096-2				
Blank Module Panel	8090-0				
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.					

## SPECIFICATIONS

Chassis Type	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
Power Requirements (typical)	33 watts 100 to 240VAC 50/60Hz 0.5A @ 120VAC 10A @ 3.3VDC	66 watts 100 to 240VAC 50/60Hz 1.5A @ 120VAC 20A @ 3.3VDC	33 watts +/- 18 to 36VDC 1.4A @ 24VDC 10A @ 3.3VDC	33 watts +/- 36 to 60VDC 0.7A @ 48VDC 10A @ 3.3VDC	66 watts +/- 36 to 60VDC 2.0A @ 48VDC 20A @ 3.3VDC
Dimensions	W: 17.15" x D: 9.0" x H: 1.75"				
Weight	7.5 lbs (822x-1) 9.0 lbs (822x-2)				
Compliances	UL, CE, FCC Class A				
Temperature	Standard: 0 to 50° C Wide: -40 to 60° C Storage: -40 to 80° C				
Humidity	5 to 95% (non-condensing)				
Altitude	-100m to 4000m				
MTBF (hrs)	43,000 (1 PS) 173,000 (2 PS)	90,000 (2 PS)	49,700 (1 PS) 198,000 (2 PS)	49,700 (1 PS) 198,000 (2 PS)	90,000 (2PS)

\* Agency compliances are pending. Required for *iConverter* XG+ models. Register at [Omnitron-Systems.com](http://Omnitron-Systems.com) to download the *iConverter* XG+ Usage Guide.

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## MANAGEMENT

Management is accomplished by using an optional *iConverter* Network Management Module (NMM2), which is capable of managing up to 19 *iConverter* chassis using a single IP address. Management can also be accomplished by using an *iConverter* module with integrated management, such as the 10/100M2 managed media converter. Management can be accessed through a menu-driven command-line interface (CLI) via Telnet or the Serial Console Port, or can 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 2000/2003/XP/Vista/Windows7 or integrated with third-party SNMP management software.

Static 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. Dynamic real-time parameters that can be monitored include voltage, current and temperature for the power supplies.

In addition to all standard *iConverter* SNMP traps such as module insertion and removal, the power supply modules can generate traps for out of voltage or chassis temperature range. All of these events can selectively be enabled or disabled to cause SNMP traps.