# *iConverter*

## *iConverter*® **19-Module Chassis**
## **Managed Redundant-Power Chassis**

The 2U (3.5 inch) high *iConverter* 19-Module Chassis has triple-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 a high-density rack footprint are essential.

The 19-Module Chassis features three hot-swappable, redundant power supplies. Universal AC, 24VDC and 48VDC power supplies can be used in any combination. Omnitron's exclusive triple-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 the nineteen *iConverter* modules installed in the chassis 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 19-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 triple-redundant power system combined with its AC and DC power options and its ability to hold nineteen converters in a 2U height make the *iConverter* 19-Module Chassis the ideal choice in the core of an enterprise, in a Central Office (CO) or for Point of Presence (POP) applications where reliability and space are critical.

The *iConverter* 19-Module Chassis supports the entire family of *iConverter* fiber media converters. All *iConverter* modules are hot swappable and support multiple mounting options.

- The high-density *iConverter* 19-Module Chassis is 2U high and supports 19-inch or 23-inch rack mounts

- Triple-redundant hot-swappable AC, 24VDC and 48VDC power for mission-critical networks

- NEBS Level 3 Certification

- Ethernet Backplane allows modules to share data to support a wide variety of network applications

- Up to 19 *iConverter* chassis can be linked and managed using a single IP address

- 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

- Wide (-40 to +60°C) and extended (-40 to +75°C) temperature range models are available

- All *iConverter* modules are hot-swappable when used with the 19-Module Chassis

- Lifetime Warranty and free 24/7 Technical Support

**Omnitron Systems Technology, Inc.**

# ORDERING INFORMATION

| Configuration | 19-Module Chassis | | | | |
|---|---|---|---|---|---|
| | AC (60 watts) | AC (120 watts) | 24VDC (66 watts) | 48VDC (66 watts) | 48VDC (120 watts) |
| One (1) Power Supply | 8200-1 | 8201-1 | 8206-1 | 8205-1 | 8207-1 |
| Two (2) Power Supplies | 8200-2 | 8201-2 | 8206-2 | 8205-2 | 8207-2 |
| Three (3) Power Supplies | 8200-3 | 8201-3 | 8206-3 | 8205-3 | 8207-3 |
| Spare Power Supply | 8200-9 | 8201-9 | 8206-9 | 8205-9 | 8207-9 |
| 23" Rack Mounting Kit | 8091-2 | | | | |
| Blank Module Panel | 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.

# MANAGEMENT

Management is accomplished by using an optional *iConverter* Network Management Module (NMM). Management can also be accomplished by using an *iConverter* module with integrated management, such as the *iConverter* 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 9X/XP/NT/2K/Vista or integrated with third-party SNMP management software.

Fixed parameters that can be monitored on the 19-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 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 violations. All of these events can selectively be enabled or disabled to cause SNMP traps.

# SPECIFICATIONS

| Chassis Type | 19-Module AC | 19-Module AC | 19-Module 24VDC | 19-Module 48VDC | 19-Module 48VDC |
|---|---|---|---|---|---|
| Model Number | 8200-X | 8201-X | 8206-X | 8205-X | 8207-X |
| Module Capacity | 19 | | | | |
| Power Supply Capacity | 1 - 3 Power Supplies | | | | |
| Power Requirements (typical) | 60 watts<br>100 to 240VAC<br>50/60Hz<br>2.0A @ 100VAC<br><br>18A @ 3.3VDC | 120 watts<br>100 to 240VAC<br>50/60/440Hz<br>2.5A @ 100VAC<br><br>36A @ 3.3VDC | 66 watts<br>+/- 18 to 36VDC<br>6.0A @ 24VDC<br><br>20A @ 3.3VDC | 66 watts<br>+/- 36 to 60VDC<br>3.0A @ 48VDC<br><br>20A @ 3.3VDC | 120 watts<br>+/- 36 to 60VDC<br>5.0A @ 48VDC<br><br>36A @ 3.3VDC |
| Dimensions | W:17.15" x D:14.0" x H:3.5" | | | | |
| Weight | 16 lbs (820X-1)<br>18.5 lbs (820X-2)<br>21 lbs (820X-3) | | | | |
| Compliance | UL, CE, FCC Class A, NEBS Level 3 | | | | |
| Temperature | Standard: 0 to 50º C<br>Wide: -40 to 60º C<br>Storage: -40 to 80º C | | | | |
| Humidity | 5 to 95% (non-condensing) | | | | |
| Altitude | -100m to 4000m | | | | |
| MTBF(hrs) | 1 Power Supply: 45,700<br>2 Power Supplies: 182,000<br>3 Power Supplies: 731,000 | | | | |

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