

iConverter® 1-Module Power Chassis



Modules not included

The 1-Module Power Chassis is designed for network edge or Customer Premises deployments where low-profile, low cost and flexible upgrades are important. The compact 1-Module iConverter Power Chassis supports a single iConverter module and is powered by an external AC power adapter or external DC power source (20 to 60VDC).

Any iConverter single-slot module can be installed in the 1-Module Power Chassis and function as a standalone unit. The unit can be wall or DIN-rail mounted with optional mounting kits. Utilizing the iConverter 19" rack-mount shelf, up to four chassis can be securely mounted side-by-side.

The chassis supports managed edge demarcation applications when an iConverter Network Interface Device (NID) plug-in module with integrated management (such as the 10/100M2 shown in the photos above) is installed in the chassis. Models with "Dying Gasp" support allow NIDs to send a power failure alarm in the event of power loss.

KEY FEATURES

- 1-Module Power Chassis with external AC adapter power supply or direct DC power
- DC input supports 20 to 60VDC via three pin terminal connector with isolated ground
- NEBS Level 3 Compliant
- Houses all single-slot models of hot-swappable iConverter media converter and switch modules
- Models 8241-X and 8243-X support Dying Gasp (Power Loss Trap) when used with a Network Interface Device
- Wall-mount or tabletop options for flexible installations
- DIN-rail and 19" rack mounting options available
- Management is available with the addition of a Network Interface Device (NID) in 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) and wide (-40 to +60° C) temperature ranges
- TAA, BAA and NDAA compliant, and Made in the USA
- Lifetime Warranty and free 24/7 Technical Support

SPECIFICATIONS

Description	1-Module AC		1-Module AC		1-Module AC	1-Module AC	1-Module 48VDC*
Model Number	Standard: 8240-1 (3.3 watt)		8240-2 (3.3 watt)		8242-1	8242-2	8242-9
	Dying Gasp: 8241-1 (5 watt)		8241-2 (5 watt)		8243-1	8243-2	8243-9
Module Capacity	1						
Regulatory Compliances	Safety: UL, cUL, CE, NEBS Level 3, UKCA EMI: FCC Class A ACT: TAA, BAA, NDAA						
Environmental	RoHS, WEEE, REACH						
Power Supply Type	AC/DC Power Adapter with US Plug		AC/DC Power Adapter with IEC 320 Socket		AC/DC Power Adapter with US Power Cord	AC/DC Power Adapter with IEC 320 Socket	Internal DC Supply 3-Pin Terminal
Input Power Requirements (typical)	100 to 240VAC, 50 / 60Hz 0.13A @ 120VAC		100 to 240VAC, 50 / 60Hz 0.19A @ 120VAC		100 to 240VAC, 50 / 60Hz 1.0A @ 120VAC	100 to 240VAC 50 / 60Hz 1.0A @ 120VAC	20 to 60VDC 0.6A Max
Output Power	3.3 watts 1A @ 3.3VDC	5.0 watts 1.5A @ 3.3VDC	3.3 watts 1A @ 3.3VDC	5.0 watts 1.5A @ 3.3VDC	8.3 watts 2.5A @ 3.3VDC	8.3 watts 2.5A @ 3.3VDC	8.3 watts 2.5A @ 3.3VDC
Input Power Connector	8 to 16 VDC (2.5mm Barrel Connector)		8 to 16 VDC (2.5mm Barrel Connector)		20 to 60 VDC* (2.1mm Barrel Connector)	20 to 60VDC* (2.1mm Barrel Connector)	20 to 60 VDC* (3-Pin Terminal Isolated)
Dimensions W x D x H	3.8" x 5.5" x 1.0" (96.52 mm x 139.7 mm x 25.4 mm)				3.8" x 6.0" x 1.0" (96.52 mm x 152.4 mm x 25.4 mm)		
Weight	1.5 lbs. (0.68 kg)						
Temperature	Commercial: 0 to 50°C Wide: -40 to 60°C Extended: -40 to 75°C - 8.3 watt models only Storage: -40 to 80°C						
Humidity	5 to 95% (non-condensing)						
Altitude	-100m to 4,000m						
MTBF (hrs)	250,000		100,000		260,000	260,000	2,700,000
Warranty	Lifetime warranty with 24/7/365 free Technical Support						

* Effective range is 18 to 60VDC when using a module without dying gasp support

Rear Views



8.3 Watt with Barrel Connector



3.3 and 5.0 Watt with Barrel Connector



AC/DC Power Adapter with IEC 320 Socket



AC/DC Power Adapter with US Plug



8.3 Watt with Terminal Connector

ORDERING INFORMATION

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

Model Number	Model Type	Power Description
8240-1t	1-Module Chassis with 3.3 watt AC Power Supply	2.5 mm Barrel Connector, 100 to 240VAC, 50/60Hz, 0.13A @ 120VAC, AC/DC Power Adapter with US Plug
8240-2t	1-Module Chassis with 3.3 watt AC Power Supply	2.5 mm Barrel Connector, 100 to 240VAC, 50/60Hz, 0.13A @ 120VAC, AC/DC Power Adapter with IEC 320 Socket, no AC power cord
8241-1t	1-Module Chassis with 5.0 watt AC Power Supply with dying gasp	2.5 mm Barrel Connector, 100 to 240VAC, 50/60Hz, 0.15A @ 120VAC, AC/DC Power Adapter with US Plug
8241-2t	1-Module Chassis with 5.0 watt AC Power Supply with dying gasp	2.5 mm Barrel Connector, 100 to 240VAC, 50/60Hz, 0.15A @ 120VAC, AC/DC Power Adapter with IEC 320 Socket, no AC power cord
8242-1t	1-Module Chassis with 8.3 watt AC Power Supply	2.1 mm Barrel Connector, 100 to 240VAC, 50/60Hz, 1.0A @ 120VAC, AC/DC Power Adapter with IEC 320 Socket, US AC power cord included
8242-2t	1-Module Chassis with 8.3 watt AC Power Supply	2.1 mm Barrel Connector, 100 to 240VAC, 50/60Hz, 1.0A @ 120VAC, AC/DC Power Adapter with IEC 320 Socket, no AC power cord
8242-9t	1-Module Chassis with 8.3 watt 48 VDC Power Supply	Direct DC 3-Pin Terminal, +/- 20 to 60 VDC 0.6A @ 48VDC, no power cord
8243-9t	1-Module Chassis with 8.3 watt 48 VDC Power Supply with dying gasp	Direct DC 3-Pin Terminal, +/- 20 to 60 VDC 0.6A @ 48VDC, no power cord
8243-1t	1-Module Chassis with 8.3 watt AC Power Supply with dying gasp	2.1 mm Barrel Connector, 100 to 240VAC, 50/60Hz, 1.0A @ 120VAC, AC/DC Power Adapter with IEC 320 Socket, US AC power cord included
8243-2t	1-Module Chassis with 8.3 watt AC Power Supply with dying gasp	2.1 mm Barrel Connector, 100 to 240VAC, 50/60Hz, 1.0A @ 120VAC, AC/DC Power Adapter with IEC 320 Socket, no AC power cord

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

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) - 8.3 watt models only

ACCESSORIES

Model Number	Description
8249-0	Wall-Mount Hardware Kit
8260-0	19" Rack-Mount Shelf
8250-0	DIN Rail Mounting Kit
9130-0	NEBS Grounding Kit for 8.3 watt Chassis Only

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