

OmniConverter Overview and Product Comparison Guide

Unmanaged Media Converters with Power over Ethernet (PoE, PoE+ and 60W PoE)

OmniConverter multi-port media converters with Power-over-Ethernet (PoE) enable distance extension over fiber to PoE Powered Devices (PDs). Classified as Power Sourcing Equipment (PSE), OmniConverter PoE media converters provide power to up to four PoE PDs using standard UTP cables that carry the Ethernet data.

OmniConverter media converters support IEEE 802.3af PoE (15.4W), IEEE 802.3af PoE+ (34.2W) and HPOE (60W).

Models with two fiber ports support redundant fiber uplinks for critical applications that require protection and sub 50ms restoration in the event of a fiber failure. The second fiber port may also be used to cascade multiple media converters (daisy chain), or it may be used as another switch port. Gigabit models can support both Gigabit and Fast Ethernet SFP transceivers. The PoE RJ-45 ports support 10/100 or 10/100/1000 data rates.

OmniConverter media converters are available with DC power via terminal connectors or external 100 to 240V AC power adapters.

KEY FEATURES

- Power over Ethernet injector/source
- Supports PoE, PoE+ and 60W HPOE
- Multiple port configurations available
- Supports fixed-fiber connectors or SFP transceivers
- AC or DC power options
- Integrated wall mount brackets
- Temperature hardened for outdoor deployments
- Lifetime Warranty and free 24/7 Technical Support
- Made in the USA

OmniConverter media converters can be installed on any flat surface with integrated wall-mount brackets, or DIN-rail mounted using an optional DIN-rail mounting kit.

Up to three OmniConverter media converters can be mounted on a 1U 19" rack-mount shelf.



OmniConverter /S and /SL models feature one or two RJ-45 ports, one or two fiber ports, and provide advanced features that can be configured with DIP-switches.

FPOE/S and FPOE+/S are Fast Ethernet media converters that provide PoE.

FPOE/SL are cost-effective Fast Ethernet media converters that provide PoE.

GPOE/S, GPOE+/S and GHPoE/S are Gigabit media converters that provide PoE, PoE+ or 60W PoE.



OmniConverter GPOE+/SX models are Gigabit media converters and switches that provide PoE+ and support four RJ-45 ports and up to two fiber ports. The GPOE+/SX models provide several advanced features that can be configured with DIP-switches.



OmniConverter /SE models support one or two RJ-45 ports, and one fiber port. The /SE models provide a low-cost alternative for applications that do not require advanced features or two fiber ports. There are no DIP-switches for simple, plug-and-play installation.

FPOE/SE and FPOE+/SE are cost-effective Fast Ethernet media that provide PoE or PoE+.

GPOE/SE and GPOE+/SE are cost-effective Gigabit Ethernet media converters that provide PoE or PoE+.

OmniConverter **PRODUCT COMPARISON TABLE**

Fiber Data Rate	Fast Ethernet					Gigabit Ethernet					
PoE	PoE 15.4W			PoE+ 34.2W		PoE 15.4W		PoE+ 34.2W			HPoE 60W
Product Line	FPoE/S	FPoE/SL	FPoE/SE	FPoE+/S	FPoE+/SE	GPOE/S	GPOE/SE	GPOE+/S	GPOE+/SE	GPOE+/SX	GHPoE/S
Model # Range	9300 - 9319	9340 - 9359	9360 - 9379	9320 - 9339	9380 - 9399	9400 - 9419	9460 - 9479	9420 - 9439	9480 - 9499	9440 - 9459	9500 - 9519
Low Cost		✓	✓		✓		✓		✓		

Ports and Data Rates

Maximum Ports	4	4	3	4	3	4	3	4	3	6	4
Maximum Fiber Ports ¹	2	2	1	2	1	2	1	2	1	2	2
Maximum RJ-45 Ports	2	2	2	2	2	2	2	2	2	4	2
RJ-45 Data Rates	10/100	10/100	10/100/1000	10/100	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Fiber Data Rates	100	100	100	100	100	100 or 1000	1000	100 or 1000	1000	100 or 1000	100 or 1000

Form Factor

W" x L" x H"	4.5" x 6" x 1"	4.5" x 6" x 1"	3.8" x 4.8" x 1"	4.5" x 6" x 1"	3.8" x 4.8" x 1"	4.5" x 6" x 1"	3.8" x 4.8" x 1"	4.5" x 6" x 1"	3.8" x 4.8" x 1"	5" x 6" x 1.375"	4.5" x 6" x 1"
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Features

Frame size	10K	2K	10K	10K	10K	10K	10K	10K	10K	10K	10K
PSE Mode	Alt A / Alt B	Alt A / Alt B	Alt B	Alt A / Alt B	Alt B	Alt A / Alt B	Alt B	Alt A / Alt B	Alt B	Alt B	Alt A / Alt B
Auto Polarity X-over ²	✓			✓		✓		✓			
Link Fault Modes	✓	✓		✓		✓		✓		✓	✓
Fiber LoS reset PoE	✓	✓		✓		✓		✓		✓	✓
MUX Mode										✓	
Directed Switch Mode										✓	
Dual Device Converter										✓	

External Power Source

DC Terminal	3- Pin	2- Pin	2-Pin and 3- Pin	3- Pin	2-Pin and 3- Pin	3- Pin	2-Pin and 3- Pin	3- Pin	2-Pin and 3- Pin	3- Pin	3- Pin
AC Barrel Connector	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Temperature Hardened

Wide -40 to 60°C	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Extended -40 to 75°C	✓	✓		✓		✓		✓		✓	✓

¹ Models with two fiber ports support redundant fiber uplinks and daisy chains.

² Auto Polarity X-over provides PoE power to legacy Cisco (Non-IEEE Standard) devices.