

OmniConverter Overview and Product Comparison Guide

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 for PoE Powered Devices (PDs). Classified as Power Sourcing Equipment (PSE), PoE media converters can provide power to one or two PoE Powered Devices 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 up to 60W PoE. They also support dual or single RJ-45 ports, dual or single fiber ports, and 10/100 or 10/100/1000 data rates.

KEY FEATURES

- Power over Ethernet injector/source
- Models support PoE, PoE+ and 60W PoE
- Multiple port configurations available
- Supports fixed-fiber connectors or SFP transceivers
- Available in AC or DC models
- Integrated wall mount brackets
- Temperature Hardened
- Lifetime Warranty and free 24/7 Technical Support
- Made in the USA

OmniConverter /S and /SL models support single or dual RJ-45 and fiber ports, and provide several advanced features that can be configured with DIP-switches. Configurable features include link fault propagation modes, and a PoE power reset function that enables a PD device to be re-initialized remotely.

OmniConverter /SE models have a smaller form factor, and provide a cost-effective alternative for applications that do not require advanced features or dual fiber ports. There are no DIP-switches for simple, plug-and-play installation.

All OmniConverter media converters can be tabletop mounted, wall mounted, or DIN-rail mounted using an optional DIN-rail mounting kit. They can also be mounted on a 1U 19" rack-mount shelf. They are available with DC input power via terminal connectors or external 100 to 240V AC power adapters.



SFPs not included

FPoE/SL, FPoE/S and FPoE+/S

These are Fast Ethernet media converters with one or two fiber ports, and one or two 10/100 RJ-45 ports that provide IEEE 802.3af PoE (15.4W) or IEEE 802.3af PoE+ (34.2W). They support advanced features with DIP-switch configuration.

FPoE/SL - Fast Ethernet, PoE, cost-effective

FPoE/S - Fast Ethernet, PoE

FPoE+/S - Fast Ethernet, PoE+

FPoE/SE and FPoE+/SE

These are cost-effective Fast Ethernet media converters with a smaller form factor. The /SE models have one fiber port, and one or two 10/100 RJ-45 ports that provide IEEE 802.3af PoE (15.4W) or IEEE 802.3af PoE+ (34.2W).

FPoE/SE - Fast Ethernet, PoE, cost-effective

FPoE+/SE - Fast Ethernet, PoE, PoE+, cost-effective

GPoE/S, GPoE+/S and GHPoE/S

These are Gigabit Ethernet media converters with one or two fiber ports, and one or two 10/100/1000 RJ-45 ports that provide PoE, PoE+ or 60W PoE. They support advanced features with DIP-switch configuration.

GPoE/S - Gigabit Ethernet, PoE

GPoE+/S - Gigabit Ethernet, PoE, PoE+

GHPoE/S - Gigabit Ethernet, PoE, PoE+, 60W PoE

GPoE/SE and GPoE+/SE

These are cost-effective Gigabit Ethernet media converters with a smaller form factor. The /SE models have one fiber port, and one or two 10/100 RJ-45 ports that provide IEEE 802.3af PoE (15.4W) or IEEE 802.3af PoE+ (34.2W).

GPoE/SE - Gigabit Ethernet, PoE, cost-effective

GPoE+/SE - Gigabit Ethernet, PoE, PoE+, cost-effective

OmniConverter **PRODUCT COMPARISON GUIDE**

| Fiber Data Rate | | Fast Ethernet | | | | | Gigabit Ethernet | | | | |
|-----------------|-----------------------|---------------|---------------|-------------|---------------|-------------|------------------|-------------|---------------|-------------|---------------|
| PoE | | PoE | | | PoE+ | | PoE | | PoE+ | | 60W |
| Product Line | | FPoE/S | FPoE/SL | FPoE/SE | FPoE+/S | FPoE+/SE | GPoE/S | GPoE/SE | GPoE+/S | GPoE+/SE | GHPoE/S |
| Model # Range | | 9300 - 9319 | 9340 - 9359 | 9360 - 9379 | 9320 - 9339 | 9380 - 9399 | 9400 - 9419 | 9460 - 9479 | 9420 - 9439 | 9480 - 9499 | 9500 - 9519 |
| Data Rate | Copper | 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 |
| | Fiber | 100 | 100 | 100 | 100 | 100 | 100/1000 | 1000 | 100/1000 | 1000 | 100/1000 |
| PoE | Max. Watts per Port | 15.4W | 15.4W | 15.4W | 32.4W | 32.4W | 15.4W | 15.4W | 32.4W | 32.4W | 60W |
| | PSE Mode | Alt A / Atl B | Alt A / Atl B | Atl B | Alt A / Atl B | Atl B | Alt A / Atl B | Atl B | Alt A / Atl B | Atl B | Alt A / Atl B |
| | Auto Polarity X-over* | ✓ | | | ✓ | | ✓ | | ✓ | | |
| Form Factor | 4.5" x 6" x 1" | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | ✓ |
| | 3.8" x 4.8" x 1" | | | ✓ | | ✓ | | ✓ | | ✓ | |

| | | | | | | | | | | | |
|-------|--------------------------|---|---|---|---|---|---|---|---|---|---|
| Ports | Maximum Ports | 4 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 |
| | 1 Fiber 1 RJ-45 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 1 Fiber 2 RJ-45 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 2 Fiber (SFP) 1 RJ-45 | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | ✓ |
| | 2 Fiber (SFP) 2 RJ-45 | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | ✓ |

| | | | | | | | | | | | |
|-------------------|---------------------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Advanced Features | Frame size | 10K | 2K | 10K | 10K | 10K | 10K | 10K | 10K | 10K | 10K |
| | Link Fault Modes | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | ✓ |
| | Fiber LoS reset PoE | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | ✓ |
| | Redundant Fiber | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | ✓ |

| | | | | | | | | | | | |
|-----------------------|---------------------|---|---|---|---|---|---|---|---|---|---|
| External Power Source | 2 Pin DC Terminal | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 3 Pin DC Terminal | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | AC Barrel Connector | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| | | | | | | | | | | | |
|-----------------------|-------------------------|---|---|---|---|---|---|---|---|---|---|
| Operating Temperature | Commercial 0 to 50°C | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Wide -40 to 60°C | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Extended -40 to 75°C | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | ✓ |

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

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