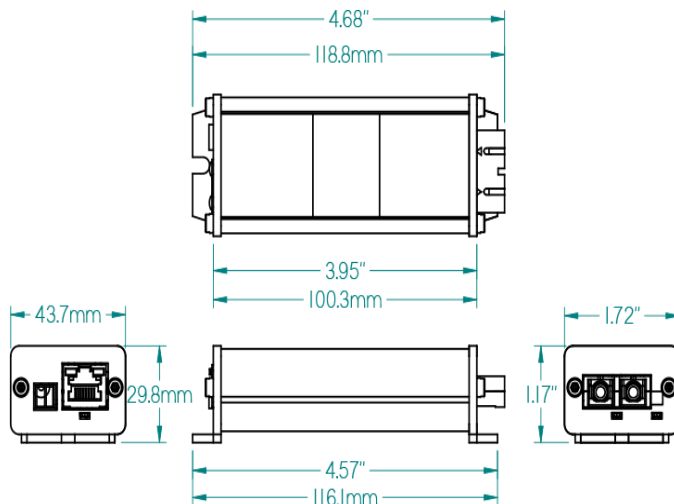


## Media Converters

## Ethernet Optical/ Electrical Converter

### Features

- Industry's smallest miniature design
- 1 x 10/100/1000 (Gigabit Ethernet) RJ45 Network port
- 1 x 1000BASE-LX SC duplex multi-mode port
- Extends 10/100/1000 Ethernet up to 2km / 1.25mi over multi-mode fiber
- Compliant with IEEE802.3 standards
- Autosensing MDI/MDIX crossover on network port
- LED indicators for network signals, link status and power
- Made in the U.S.A.



## Technical Specifications

|                                           |                                                                                                                                                                                                              |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Network Port:</b>                      | RJ45 Connector                                                                                                                                                                                               |
| <b>Optical Port:</b>                      | Duplex SC 1310nm for use with multi-mode fiber                                                                                                                                                               |
| <b>Ethernet:</b>                          | 10/100/1000Mb on copper port, full or half duplex                                                                                                                                                            |
| <b>Ethernet on Optical Link:</b>          | 1000Mb full duplex                                                                                                                                                                                           |
| <b>Max operating distance electrical:</b> | up to 100m / 330ft on Network Port (10/100/1000 copper)                                                                                                                                                      |
| <b>Max operating distance optical:</b>    | up to 2km / 1.25mi using SC duplex multi-mode 62.5um fiber                                                                                                                                                   |
| <b>LED Indicator:</b>                     | Green Flashing for 1000BASE Electrical link and activity<br>Orange/Green Flashing LED for 10/100BASE Electrical link and activity<br>Green Flashing LED for optical link and activity<br>Green LED for Power |
| <b>Optical Wavelength:</b>                | 1310nm                                                                                                                                                                                                       |
| <b>Optical Launch Power:</b>              | -3dBm (max) to -10dBm (min)                                                                                                                                                                                  |
| <b>Minimum Receiver Sensitivity:</b>      | -20dBm @ 1x10E-10 BER                                                                                                                                                                                        |
| <b>Receiver Overload Power:</b>           | 0dBm                                                                                                                                                                                                         |
| <b>Minimum Optical Budget:</b>            | 10dB                                                                                                                                                                                                         |
| <b>Rating/Listings:</b>                   | IEC/UL 62368-1 (pending)                                                                                                                                                                                     |
| <b>Rating/Listings NEMA TS-2:</b>         | (TBD)                                                                                                                                                                                                        |
| <b>Operating Temperature Commercial:</b>  | 0C to 50C / 32F to +122F                                                                                                                                                                                     |
| <b>Humidity:</b>                          | Up to 95% non-condensing                                                                                                                                                                                     |
| <b>System Latency:</b>                    | <1mS                                                                                                                                                                                                         |
| <b>Power Requirement:</b>                 | 6-15V DC / 6-12V AC (12V DC recommended)                                                                                                                                                                     |
| <b>Power used:</b>                        | 2 watts                                                                                                                                                                                                      |
| <b>BTU Rating:</b>                        | 6.8BTU/hr                                                                                                                                                                                                    |
| <b>Shipping Weight:</b>                   | 0.45kg / 1lb                                                                                                                                                                                                 |
| <b>Shipping Size:</b>                     | 64mm x 133mm x 189mm / 2.5"x 5.25"x 7.45"                                                                                                                                                                    |

## Common Installation

