

# Media Converters

The Axiom Media Converter Series provide cost effective conversions to easily connect two different types of networks or different types of devices. With Copper to Fiber conversions being the most common, Axiom also offers Optical - Electrical - Optical (OEO) Converters that allow users to join two multi-mode networks or link multi-mode to single-mode for longer data transmission distances. With options available in an open SFP port or its fixed connector configuration, deployments can be just plug-and-play or are fully customizable with the transceiver of your choice. With their small size, they are ideal for locations where space is limited. If you need to connect two devices that don't match due to different speeds, fiber modes or cable types, Axiom offers multiple conversion options to meet the requirements of your network.

## AC-MC01 Series: Mini 100Mbps Fast Ethernet



- 10/100Base-TX UTP to 100Base-FX
- Open SFP Port or LC/SC/ST Connectors
- Connect to legacy network equipment

## AC-MC03 Series: Mini 1Gbps Ethernet



- 1000Base-TX UTP to 1000Base-FX
- Open SFP Port or LC/SC/ST Connectors
- Compact package size

## AC-MC08 Series: Mini 1Gbps SFP to SFP (OEO)



- SFP to SFP optical mode converter
- Supports rate from 100Mbps to 1.25Gbps
- Converts multi-mode and single-mode

## AC-MC10 Series: Mini 10Gbps Ethernet



- 10GBase-TX UTP to 10GBase-FX
- Support for ITUT DWDM/CWDM
- Jumbo Frame Support

## AC-MC12 Series: Mini 10Gbps SFP+ to SFP+ (OEO)



- SFP+ to SFP+ optical mode converter
- Converts multi-mode and single-mode
- 3R function for stable data transmission

## AC-MCP31-F1 Series: 100mbps to RJ45 POE



- 10/100Base-TX UTP to 100BaseFX
- PoE PSE compatible @ 15.4 Watts
- Built-in AC/DC power supply

Contact your Axiom Sales Rep today: [Sales@axiomconnectivity.com](mailto:Sales@axiomconnectivity.com)  
or visit us on the web: [axiomconnectivity.com](http://axiomconnectivity.com)

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## AC-MCP32-F1 Series: 1Gbs Ethernet to RJ45 POE



- 1000Base UTP to 1000Base-FX
- PoE PSE compatible @ 15.4 Watts
- Built-in AC/DC power supply

## AC-MCP32-T2 Series: 1Gbs Ethernet to RJ45 POE+



- 1000Base UTP to 1000Base-FX
- PoE PSE compatible @ 25.5 Watts
- Over-current protection

## Axiom Media Converters

|                          | AC-MC01         | AC-MC03         | AC-MC08        | AC-MC10        | AC-MC12                   | AC-MCP31-F1      | AC-MCP32-F1      | AC-MCP32-T2      |
|--------------------------|-----------------|-----------------|----------------|----------------|---------------------------|------------------|------------------|------------------|
| <b>Data Rate</b>         | 100Mbps         | 1Gbs            | 1Gbs (OEO)     | 10Gbs          | 10Gbs (OEO)               | 100Mbps          | 1Gbs             | 1Gbs             |
| <b>Fiber Mode</b>        | MMF, SMF        | MMF, SMF        | MMF, SMF       | MMF, SMF       | MMF, SMF                  | MMF, SMF         | MMF, SMF         | MMF, SMF         |
| <b>Connector 1</b>       | RJ45            | RJ45            | SFP            | RJ45           | SFP                       | RJ45             | RJ45             | RJ45             |
| <b>Connector 2</b>       | SFP, LC, SC, ST | SFP, LC, SC, ST | SFP            | SFP, LC        | SFP                       | SFP, SC          | SFP, SC          | SFP, SC          |
| <b>Wavelength</b>        | 1310nm          | 850nm-1550nm    | 850nm-1550nm   | 850nm-1550nm   | 850nm-1550nm<br>DWDM/CWDM | 1310nm           | 850nm-1310nm     | 850nm-1310nm     |
| <b>Distance</b>          | 2km-10km        | 550m-160km      | 550m-100km     | 400m-80km      | 400m-120km                | 2km-10km         | 550m-10km        | 550m-10km        |
| <b>POE</b>               | No              | No              | No             | No             | No                        | 15.4 Watts       | 15.4 Watts       | 25.5 Watts       |
| <b>Operating Temp</b>    | 0°C to 50°C     | 0°C to 50°C     | 0°C to 50°C    | 0°C to 50°C    | 0°C to 50°C               | 0°C to 50°C      | 0°C to 50°C      | 0°C to 50°C      |
| <b>Power Input</b>       | DC 5V~12V       | DC 5V~12V       | DC 5V~12V      | DC 5V~12V      | DC 5V~12V                 | AC 100~240V      | AC 100~240V      | AC 100~240V      |
| <b>Power Consumption</b> | Full-load<3W    | Full-load<3W    | Full-load<3W   | Full-load<4W   | Full-load<3W              | Full-load<3W     | Full-load<3W     | Full-load<3W     |
| <b>Dimensions</b>        | 90 × 60 × 20mm  | 90 × 60 × 20mm  | 90 × 60 × 20mm | 90 × 60 × 20mm | 90 × 60 × 20mm            | 140 × 110 × 40mm | 140 × 110 × 40mm | 140 × 110 × 40mm |
| <b>Weight</b>            | 130g            | 130g            | 130g           | 180g           | 130g                      | 600g             | 600g             | 600g             |

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