

## RP-MC311 series

### 10/100/1000 Base-TX to 1000Base-FX Smart Gigabit Media Converter

RP-MC311 series Gigabit Ethernet Media Converter support conversion between 10/100/1000Base-T and 1000Base-LX/SX

network. There are SC/SFP/WDM connectors with single-mode or multi-mode media for various fiber optic applications, providing a cost-effective Ethernet-fiber link, in order to extend an Ethernet network connection over a fiber backbone. Just a simple plug-and-play that can be easily installed into any scenario.

RP-MC311 Series support DIP-Switch for user setting the operation mode of the media converter. The DIP switch can disable or enable the LFP (link fault pass through) function, LFP function can immediately trigger the LED caution light which attract the network administrators' attention the problem of the link media and provide efficient solution to monitor the network, which can minimize the loss caused by the link problem.

The RP-MC311 series can be used as a standalone unit when powered by its DC adapter or installation into the 14 Slot, 2U rack mount media converter chassis (RP-MCR314) for use at a central wiring closet.



## Features

- Supporting inter-conversion between adaptive 10Base-T/100Base-TX/1000Base-T with 1000Base-SX/LX
- Supporting full-duplex and half-duplex and its auto-sensed
- Supporting auto-sensation of MDI/MDI-X, facilitating system commissioning and installation
- Supporting the transmission of extra-long VLAN packets
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets
- High compatibility capacity: compatible with the network card, hub, switch and repeater of other brands
- Options in single mode dual fiber, multi-mode dual fiber, and single mode in single fiber;
- Store-and-Forward mechanism

## Specifications

<b>Standards</b>	<ul style="list-style-type: none"> <li>● IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet,</li> <li>● IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX Gigabit Ethernet</li> <li>● IEEE802.3x Flow Control</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>● One RJ45 port: 10/100/1000Mbps Gigabit Ethernet Connecting with STP/UTP category-5 twisted pairs, EIA568A/B</li> <li>● One optical 1000FX port: Multi-mode Dual-fiber: SC/LC(SFP) (50, 62.5/125μm) Single mode Dual-fiber: SC/FC/LC(SFP) (9/125μm) Single mode Single-fiber: SC/ST/FC (9/125μm)</li> </ul>
<b>Wavelength</b>	<ul style="list-style-type: none"> <li>● 850nm/1310nm/1550nm</li> </ul>
<b>Transmission distance</b>	<ul style="list-style-type: none"> <li>● Multi-mode Dual-fiber: 550m (50/125μm)</li> <li>● Single mode Dual-fiber: 20km(9/125μm)</li> <li>● Single mode single-fiber: 20km(9/125μm)</li> <li>● Category-5 twisted pairs: 100m</li> </ul>
<b>Jumbo frame</b>	<ul style="list-style-type: none"> <li>● 9K</li> </ul>
<b>Dip Switch</b>	<ul style="list-style-type: none"> <li>● DIP1: LFP function</li> <li>● DIP2: Flow Control</li> </ul>
<b>LED indicators</b>	<ul style="list-style-type: none"> <li>● POWER (power supply), FX LINK (optical link action)</li> <li>● TP LINK1000 (TP cable rate1000M), TP LINK100 (TP cable rate 100M)</li> <li>● TP ACT (TP cable packet forwarding action), FDX (TP full duplex operation)</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>● Max. 5 Watts</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>● External power adapter DC5V 1A</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>● -10~55°C</li> </ul>
<b>Operating Humidity</b>	<ul style="list-style-type: none"> <li>● 5% to 90% (Non-condensing)</li> </ul>
<b>Storage Temperature</b>	<ul style="list-style-type: none"> <li>● -40~75° C</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>● 71×94 x26 mm (W*D*H)</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>● FCC, CE</li> </ul>

## Ordering information

<b>RP-MC311SC</b>	10/100/1000 Base-TX to 1000Base-SX Smart Gigabit Media Converter, MM/SC-550m
<b>RP-MC311C20</b>	10/100/1000Base-TX to 1000Base-LX Smart Gigabit Media Converter, SM/SC-20km
<b>RP-MC311FP</b>	10/100/1000Base-TX to 1000Base-X SFP Smart Gigabit Media Converter