RP-MC311PSC

10/100/1000 Base-T to 100/1000Base-SX Gigabit PoE Media Converter

RP-MC311PSC is a high-performance Gigabit PoE Media Converter designed to connect different network media. It enables seamless conversion between 10/100/1000Base-T and 100/1000Base-SX fiber links.

Supporting IEEE 802.3, 802.3u, 802.3z, 802.3ab, and 802.3af/at, it features full/half-duplex auto-sensing, MDI/MDI-X auto-adjustment, and store-and-forward switching to ensure reliable data transmission.

This compact device extends copper network reach up to 550 meters over fiber and supplies power via PoE. With a 0 °C to 40 °C operating range, it's ideal for indoor industrial and enterprise use.

Features

- Supports IEEE 802.3, 802.3u, 802.3z, 802.3ab, and 802.3af/at PoE.
- Gigabit Media Conversion, converts 10/100/1000Base-T to 100/1000Base-SX.
- Increases network range up to 550 meters over fiber.
- Supports auto-sensing for full/half-duplex modes.
- MDI/MDI-X Auto-Sensation, automatically adjusts for different cables.
- Store-and-Forward, Buffers packets to reduce transmission errors.
- Supports power delivery via IEEE 802.3af/at.
- Robust Operation: 0 °C to 40 °C ambient temperature

Specifications

Standard	• IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet, IEEE802.3ab 1000Base-T, • IEEE802.3z 1000Base-SX Gigabit Ethernet • IEEE802.3af/at PoE
Interface	• One 10/100/1000BASE-T PoE+ port • One 100/1000Bast-X Multi-mode SC fiber port (550m)
DIP Switch	• DIP 1: LFP On/Off • DIP 2: Flow Control On/Off
Switch fabric	• 4 Gbps
Throughput	• 2.976 Mpps
Jumbo Frame	• 9KB
MAC address table	• 2K
LED indicators	• PWR (Green) power supply • 1000 (Green) 1000Mbps for UTP • 100 (Green) 100Mbps for UTP • L/A (Green) Link/Active for UTP • FX (Green) Link/Active for Fiber • FDX (Green) Full duplex mode for UTP
Power supply	• External power adapter DC52V/65W
Power consumption	• Max. 30W
Operating Temperature	• 0~40ºC
Operating Humidity	• 5%~90%
Storage Temperature	• -40~70ºC
Storage Humidity	• 5% ~ 90% non-condensing
Dimensions	• 71 × 94 × 26 mm (WxDxH)
Certification	• CE, FCC

Ordering information

RP-MC311PSC   10/100/1000 Base-T to 100/1000Base-SX Gigabit PoE Media Converter, MM/SC-550m