IEEE 802.3/u Ethernet supports two types of media for network connection such as 10/100Base-TX and 100 Base-FX. The bridge media converter is designed with a switch controller and buffer memory that connects two types of segments to operate smoothly. This converter can be used as a standalone unit or as a slide-in module to the 19" converter rack (up to 16 units) for use at a central wiring closet.

**Feature**

- Comply with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX, 100Base-FX
- Provide one port 10/100Base-TX Auto-negotiation with RJ45 connector
- Provide one port multi-mode fiber-optic with SC, ST, LC, MT-RJ connector or single-mode fiber-optic with SC connector
- LED Indicators: Power/Link/Activity/Full Duplex/Speed
- Auto MDI-X for 10/100TX port
- Auto-negotiation for speed and Duplex mode on TX ports
- Provides a slide switch for Full and Half Duplex selection on FX port
- Wall-mounting
- Provides 19" system chassis for up to 16-converter with Redundant Power supply for optional Expansion use
## Specification

### Standards
- IEEE802.3 10BASE-T,
- IEEE 802.3u 100BASE-TX, 100BASE-FX

### Interface
- 1*10/100BASE-TX auto-negotiation, auto-MDIX
- 1*100BASE-FX

### Network Media
- **10BASE-T:** 2-pair UTP Cat. 3, 4, 5, up to 100 m (328 ft)
- **100BASE-TX:** 2-pair UTP Cat. 5, up to 100 m (328 ft)
- **100BASE-FX:**
  - 50/125μm or 62.5/125μm multi-mode fiber optic cable, up to 2 km
  - 9/125μm or 10/125μm single-mode fiber optic cable, up to 15/30/60 km

### Speed
- 10/20Mbps for half/full-duplex
- 100/200Mbps for half/full-duplex

### Forwarding rate
- 148,800pps

### LED Indicators
- Per unit: Power
- Per port: Link/Activity, Full Duplex/Collision, Speed (only for TX port)

### Power Consumption
- 1.8W

### Power Supply
- External power Adapter DC5V/1A

### Environment
- Operating Temperature: 0°C~40°C
- Operating Humidity: 10%~90% (Non-Condensing)

### Dimension
- 120 * 88 * 25 mm

### Certification
- FCC, CE, VCCI

## Application

![Application Diagram](image-url)
## Ordering information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>RP-110TMC</td>
<td>10/100Base-T to 100Base-FX Media Connector, MM/SC</td>
</tr>
<tr>
<td>RP-110TMT</td>
<td>10/100Base-T to 100Base-FX Media Connector, MM/ST</td>
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<tr>
<td>RP-110C15</td>
<td>10/100Base-T to 100Base-FX, 15Km Media Converter</td>
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<tr>
<td>RP-110C30</td>
<td>10/100Base-T to 100Base-FX, 30Km Media Converter</td>
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