

RP-1000SC | RP-1000C1 |  
RP-1000C2  
**1000Base-T to 1000Base-SX/LX  
Smart Gigabit Media Converter**



The Media Converters supports two types of media for network connection such as 1000Base-T and 1000Base-SX/LX. The device is designed to connect these two types of segments to operate smoothly, the simplest way to interconnect any equipment's 1000Base-T port to the 1000Base-SX/LX interface networks for extended distance coverage.

## Feature

- Compliant with IEEE 802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX Gigabit Ethernet Standards
- Provides one 1000Base-T port, one 1000Base-SX/LX port supporting either multi-mode or single-mode fiber up to 20Km
- Supports Full Duplex and Auto-negotiation mode for Fiber port
- Front panel diagnostic LED indications
- Support LLCF ( Link Loss Carry Forward, Link Pass Through )
- Support LLR ( Link Loss Return ) for Fiber port
- Provides 19" system chassis for up to 16-converter with Redundant Power Supply for optional expansion use

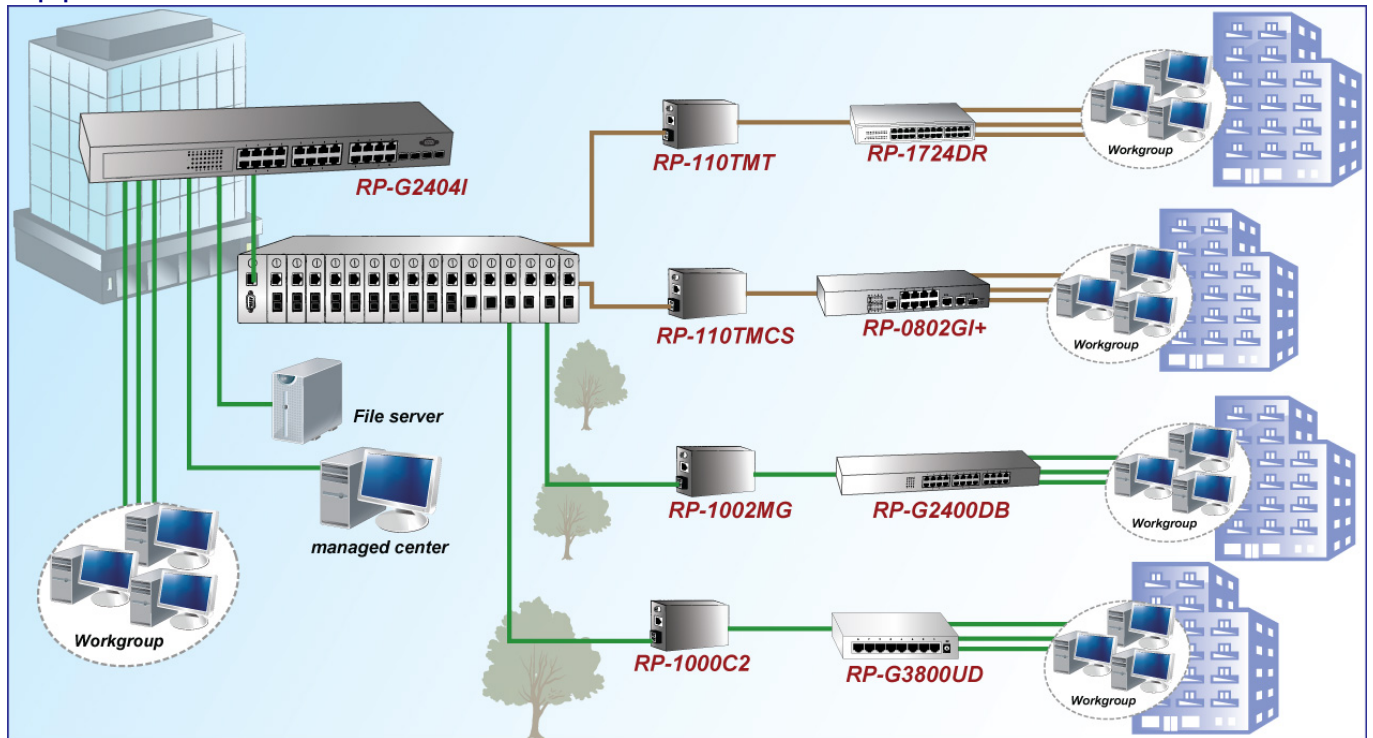
## Management Features

- Supports LLCF (Link Loss Carry Forward, Link Pass Through)
- Supports LLR (Link Loss Return) for FX port
- Monitor the status of duplex/link for both media via management module MOD-MCSNMP through Media Converter hassis System (RP-MCR116)
- Set duplex force, LLCF on/off, LLR on/off for FX, ports on/off via the MOD-MCSNMP through RP-MCR116
- Provides link down source port information

## Specification

<b>Standards</b>		<ul style="list-style-type: none"> <li>• IEEE 802.3ab 1000Base-T</li> <li>• IEEE 802.3z 1000Base-SX</li> <li>• IEEE 802.3z 1000Base-LX</li> </ul>
<b>Interface</b>		<ul style="list-style-type: none"> <li>• 1*1000Base-T with RJ45 connector</li> <li>• 1*1000Base-SX/LX with SC connector</li> </ul>
<b>Media Support</b>	<b>1000Base-T</b>	<ul style="list-style-type: none"> <li>• 4 pair Cat.5e or higher, EIA/TIA-568 100-ohm twisted-pair cable, up to 100m</li> </ul>
	<b>1000Base-SX</b>	<ul style="list-style-type: none"> <li>• 50/125µm multi-mode fiber optic cable, up to 550m</li> </ul>
	<b>1000Base-LX</b>	<ul style="list-style-type: none"> <li>• 9/125µm or 10/125µm single-mode fiber optic cable, up to 20km</li> </ul>
<b>Protocol</b>		<ul style="list-style-type: none"> <li>• CSMA/CD</li> </ul>
<b>Ports</b>		<ul style="list-style-type: none"> <li>• 1 * 1000Base-T with RJ-45 connector</li> <li>• 1 * 1000Base-SX/LX with SC connector</li> </ul>
<b>Data Transfer Rate</b>		<ul style="list-style-type: none"> <li>• 2000Mbps (Full Duplex)</li> </ul>
<b>Dip Switch</b>		<ul style="list-style-type: none"> <li>• Auto-negotiation or Manual for FX</li> <li>• LLR enable or disable for FX</li> </ul>
<b>LED Indicators</b>		<ul style="list-style-type: none"> <li>• Per unit: Power</li> <li>• Per port: Link/Activity</li> </ul>
<b>Power Consumption</b>		<ul style="list-style-type: none"> <li>• 2.7W</li> </ul>
<b>Power Supply</b>		<ul style="list-style-type: none"> <li>• External power Adapter DC 5V/1A 9V/700mA</li> </ul>
<b>Environment</b>		<ul style="list-style-type: none"> <li>• Operating Temperature: 0°C~40°C</li> <li>• Operating Humidity: 10%~90%</li> </ul>
<b>Dimension</b>		<ul style="list-style-type: none"> <li>• 120 * 88 * 25 mm</li> </ul>
<b>Certification</b>		<ul style="list-style-type: none"> <li>• FCC, CE</li> </ul>

## Application



## Ordering information

<b>RP-1000SC</b>	1000Base-T to SX Smart Gigabit Media Converter, MM/SC
<b>RP-1000C1</b>	1000Base-T to LX Smart Gigabit Media Converter, SM/10 Km
<b>RP-1000C2</b>	1000Base-T to LX Smart Gigabit Media Converter, SM/20 Km

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