

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



RP-1000 series is a media converter designed to connect 1000Base-T and 1000Base-SX/LX fiber media.

It provides one slide switch to configure the available smart functions including the auto-negotiation / force for fiber interface and Link Pass-through function (LLCF/LLR). The Link Loss Carry Forward (LLCF) function works with Link Loss Return (LLR) to diagnose network connections. The LLR 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 converter can be used as a standalone unit or as a slide-in module to the 19" converter rack RP-MCR116 for use at a central wiring closet. All media converters are hot-swappable when used with the chassis.

## Features

- 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

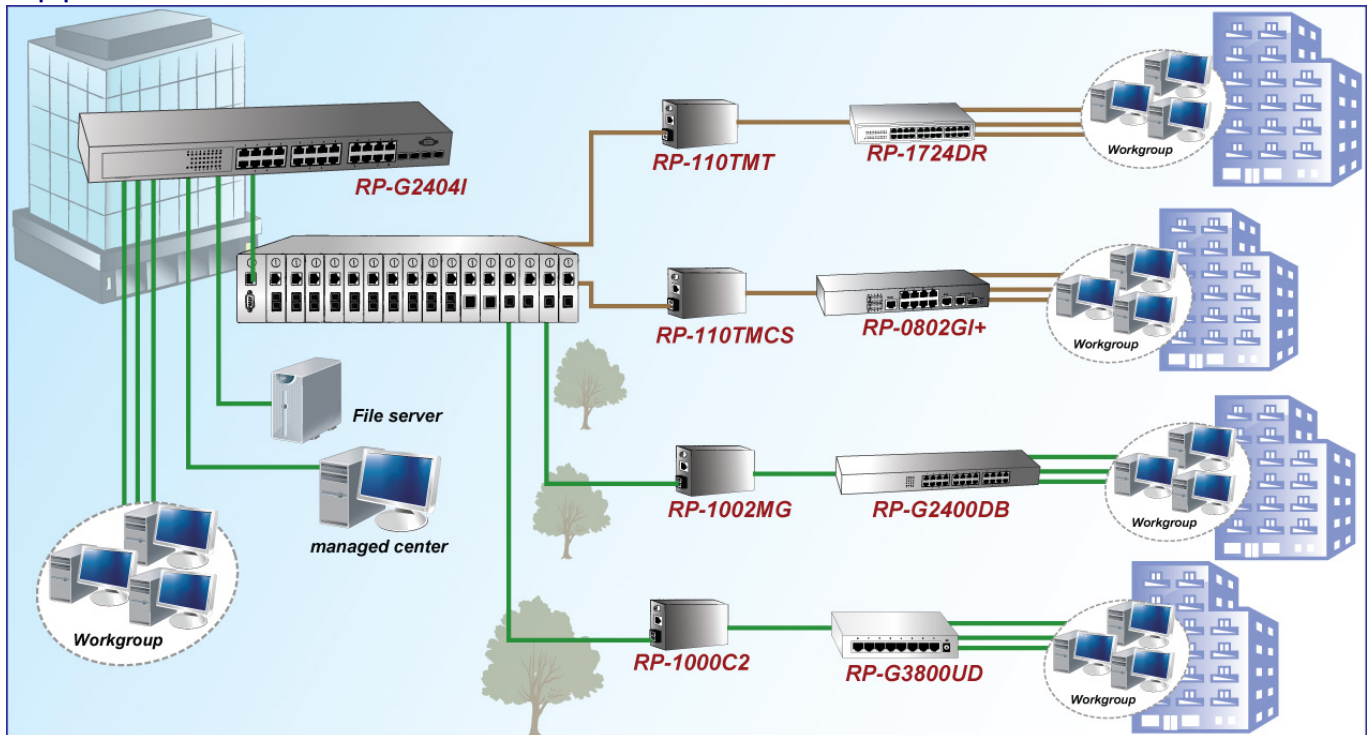
## Management Features

- 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

# Specifications

<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>	• 4 pair Cat.5e or higher, EIA/TIA-568 100-ohm twisted-pair cable, up to 100m
	<b>1000Base-SX</b>	• 50/125µm multi-mode fiber optic cable, up to 550m
	<b>1000Base-LX</b>	• 9/125µm or 10/125µm single-mode fiber optic cable, up to 20km
<b>Protocol</b>		• CSMA/CD
<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>		• 2000Mbps (Full Duplex)
<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>		• 2.7W
<b>Power Supply</b>		• External power Adapter DC 5V/1A 9V/700mA
<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>		• 120 * 88 * 25 mm
<b>Certification</b>		• FCC, CE

# 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