>> RP-G1315S series

1000Base-T to mini-GBIC
Smart Gigabit Media Converter

RP-130/150S series is a network technology specified by IEEE 802.3ab and IEEE 802.3z 1000BASE-TX and 1000BASE- LX standards. Support LLCF function default is enabled, the ports do not transmit a link signal until they receive a link signal from the opposite port. Link loss is “carried forward” to the managed switch or hub that is sending the link. LLCF can be used for either the copper or fiber ports.

These types of Single-Fiber modules combine transmit and receive signals onto one fiber strand using two wavelengths. This design avoids the budget losses incurred b the single-wavelength single-fiber technology, and minimizes any possibility of reflections in the system. The units on both ends of a link are different. One module uses one wavelength to transmit and a second wavelength to receive, while the other module flips that relationship. For this reason these units are sold in pairs.

Feature

- A pair of one-channel single fiber media conversion between 1000BASE-T and 1000BASE-LX
- Provide Dip Switch to setting: Fiber (auto/manual)
- Provides one port 1000BASE-T, one port single-fiber bi-direction fiber optic with SC connector
- Two different type of transmitting / receiving wavelength:
  RP-130SCxxS--TX: 1310nm; RX: 1550nm
  RP-150SCxxS --TX: 1550nm; RX: 1310nm
- LED Indication: Power, Link/Activity
- Support Full-Duplex and auto-negotiation mode for Fiber port
- Provided 19” system chassis for up to 16-converter with Redundant Power supply for optional Expansion use
- Support LLCF (Link Loss Carry Forward, Link Pass Through)
- Monitor the status of duplex/ link for both media via management module (MOD-MCSNMP)

through Media Converter Chassis System (RP-MCR116)

- Set duplex force, ports on/off via the MOD-MCSNMP through RP-MCR116
- Provides link down source port information

Specification

Standards	• IEEE 802.3ab 1000BASE-T • IEEE 802.3z 1000BASE-LX
Network Media	• 1000Base-T: 2-pair Cat. 5, 5e, 6 UTP cable, up to 100 meters • 1000Base-SX: 50/ 125μm or 62.5/ 125μm multi-mode fiber cable, up to 2km • 1000Base-LX: 9/ 125μm single-mode cable, provides long distance for 10/20 /40/60km
Protocol	• CSMA/CD
Ports	• 1 * 1000BASE-T with RJ-45 port • 1 * 1000BASE-LX Single-Fiber Bi-direction w/ SC connector
Data Transfer Rate	• 2000Mbps (Full-duplex)
Dip Switch	• Auto negotiation or Manual for Fiber • LLCF (Link Loss Carry Forward, Link Pass Through)
LEDs Indicator	• Per unit: Power • Per port: Link/Activity
Feature	• Provided 19” system chassis for up to 16-converter with Redundant Power supply for optional Expansion use • Monitor the status of duplex/ link for both media via management module (MOD-MCSNMP) through Media Converter Chassis System (RP-MCR116) • Set duplex force, ports on/off via the MOD-MCSNMP through RP-MCR116 • Provides link down source port information
Power Consumption	• 4.5W (max.)
Power Supply	• External power Adapter DC7.5V/1.5A
Environment	• Operating Temperature: 0˚C~40˚C • Operating Humidity: 5%~90% (Non-Condensing)
Dimension	• 120 * 88 * 25 mm
Certification	• FCC, CE, VCCI

Ordering information

RP-G130SC10	WDM 1000T to 1000LX Smart Media Converter, 10KM (TX: 1310μm RX: 1550μm)
RP-G150SC10	WDM 1000T to 1000LX Smart Media Converter, 10KM (TX: 1550μm RX: 1310μm)
RP-G130SC20	WDM 1000T to 1000LX Smart Media Converter, 20KM (TX: 1310μm RX: 1550μm)
RP-G150SC20	WDM 1000T to 1000LX Smart Media Converter, 20KM (TX: 1550μm RX: 1310μm)
RP-G130SC40	WDM 1000T to 1000LX Smart Media Converter, 40KM (TX: 1310μm RX: 1550μm)
RP-G150SC40	WDM 1000T to 1000LX Smart Media Converter, 40KM (TX: 1550μm RX: 1310μm)
RP-G130SC60	WDM 1000T to 1000LX Smart Media Converter, 60KM (TX: 1310μm RX: 1550μm)
RP-G150SC60	WDM 1000T to 1000LX Smart Media Converter, 60KM (TX: 1550μm RX: 1310μm)