



>> RP-13SC20S

>> RP-15SC20S

## Smart WDM 10/100TX to 100FX Media Converter

The device is 10/100BASE Fast Ethernet Media Converter, the Dual Wavelength Single Fiber Converter introduced provides a pair of one channel single fiber media conversion between 10/100BASE-TX and 100BASE-FX Single Fiber.

The device can be used as a standalone unit or as a slide-in module to RP-MCR 116 series converter rack for use at a central wiring closet.



## Feature

- A pair of one-channel single fiber media conversion between 1000BASE-T and 1000BASE-LX
- Provide Dip Switch to setting : Fiber (FDX/HDX), UTP (Auto negotiation/Manual), Speed (10M/100M), LLR (Enable/Disable), LLCF (Enable/Disable)
- Provides one port 10/100BASE-TX, one port single-fiber bi-direction fiber optic with SC connector
- Two different type of transmitting / receiving wavelength:
  - 13SC --TX: 1310 $\mu$ m; RX: 1550 $\mu$ m
  - 15SC --TX: 1550 $\mu$ m; RX: 1310 $\mu$ m
- Auto-negotiation for half-duplex/full-duplex on TX ports
- Provide auto-negotiation and auto-MDI/MDI-X for TX port
- Provided 19" system chassis for up to 16-converter with Redundant Power supply for optional Expansion use

## Specification

<b>Standards</b>		<ul style="list-style-type: none"> <li>• IEEE 802.3u 100Base-T</li> <li>• IEEE 802.3u 100Base-TX</li> <li>• IEEE 802.3u 100Base-FX</li> </ul>
<b>Network Media</b>	<b>10BASE-T:</b>	• UTP Cat. 3,4,5, up to 100m
	<b>100BASE-TX:</b>	• UTP Cat. 5, up to 100m
	<b>100BASE-FX:</b>	• 9/125 $\mu$ m or 10/125 $\mu$ m single-mode fiber optic cable, up to 20km
<b>Protocol</b>		• CSMA/CD

<b>Ports</b>	<ul style="list-style-type: none"> <li>• 1*10/100BASE-TX w/RJ-45 connector</li> <li>• 1*100BASE-FX Single-Fiber Bi-direction w/SC connector</li> </ul>		
<b>Data Transfer Rat</b>	Ethernet:	10Mbps 20Mbps	(Half-duplex) (Full-duplex)
	Fast Ethernet:	100Mbps 200Mbps	(Half-duplex) (Full-duplex)
<b>Switch</b>	<ul style="list-style-type: none"> <li>• Duplex mode for TX and FX</li> <li>• Auto negotiation or Manual for TX</li> <li>• Speed (10M/100M) for TX</li> <li>• LLR (enable/disable) for FX</li> <li>• LLCF (enable/disable)</li> </ul>		
<b>LEDs Indicator</b>	<ul style="list-style-type: none"> <li>• per unit:Power</li> <li>• Per port: Link/Activity, Full-duplex/Collision, Speed (only for TX port)</li> </ul>		
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• External power Adapter DC 7.5V, 1.5A</li> </ul>		
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating Temperature: 0°~40°C</li> <li>• Operating Humidity: 10%~90% (Non-Condensing)</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, VCCI</li> </ul>		

## Ordering information

<b>RP-13SC20S</b>	10/100TX to 100FX Smart WDM Media Converter, 20KM (TX: 1310µm RX: 1550µm)
<b>RP-15SC20S</b>	10/100TX to 100FX Smart WDM Media Converter, 20KM (TX: 1550µm RX: 1310µm)