

Rev	Date	Modified by	Description
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## 10/100/1000M 4SC 2RJ45 Fiber Switch Converter

**PN: EM-1100-4S2R**

### Overview

The 4SC 2RJ45 is a 10/100/1000Mbps adaptive fiber switch. It has three 10/100/1000Mbps Ethernet ports and two 1000Mbps fiber ports. It can extend the transmission distance from 100m to 20km via copper cables. There are also many other advantages such as isolation protection, good data security, working stability and easy maintenance.

### Application

Standards	IEEE802.3u 100Base-T IEEE802.3u 100Base-TX/FX IEEE802.3x Flow control	IEEE802.1qVLAN IEEE802.p QoS IEEE802.3d Spanning Tree
Ethernet Port	<ul style="list-style-type: none"> <li>➤ Connector: 4 RJ45</li> <li>➤ Data Rate: 10/100/1000M</li> <li>➤ Distance: 100m</li> <li>➤ UTP Type: UTP-5E or higher level</li> </ul>	
Fiber Port	<ul style="list-style-type: none"> <li>➤ Connector: 2 SC</li> <li>➤ Data Rate: 1.25G</li> <li>➤ Optical wavelength: 850nm/1310nm/1490nm/1550nm</li> <li>➤ Distance: 550m~120km</li> <li>➤ Fiber(Single mode): 8/125, 8.7/125, 9/125, 10/125</li> </ul>	
Performance	<ul style="list-style-type: none"> <li>➤ Processing Type: direct forwarding</li> <li>➤ MAC Table Size: 2K</li> <li>➤ Buffer Space: 2048 bit</li> <li>➤ Back bandwidth: 1G</li> <li>➤ Maximum Packet Length: 2048 bytes</li> <li>➤ Time Delay: &lt;150μs</li> <li>➤ TX Power: -14~-8dBm</li> <li>➤ Sensitivity: -32dBm</li> <li>➤ Link Budget: 18dBm</li> </ul>	

Power	<ul style="list-style-type: none"> <li>➤ Input Voltage:AC100V~240V 50/60Hz</li> <li>➤ Connector:DC Socket</li> <li>➤ Working Voltage:5V, 24V(with non-standard POE)</li> <li>➤ Power Consumption: 1.8W~2.5W</li> </ul>
Environment	<ul style="list-style-type: none"> <li>➤ Storage Temperature:-40~70℃</li> <li>➤ Operating Temperature: -10~55℃</li> <li>➤ Relative Humidity: 5-90% ( no condensation)</li> </ul>
Warranty	1 year
Physical Characteristics	<ul style="list-style-type: none"> <li>➤ Dimension: 161×87×26mm</li> <li>➤ Weight:0.30kg</li> <li>➤ Color:Metal, Black</li> </ul>

## Order information

PN	Description
EM-1100-4S2R	4×1000Base-FX to2×10//100/1000Base-TX, Single fiber/dual fiber, SC, 3-120km

**Note:**

- 1.Power supply provided by user or order additionally.**
- 2.SC slot connector as default, FC/ST slot as request.**

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