

## EM-1G1E-Sxx 1G1E LFP DIP Series Media Converter

The BLY-1F1E is a 10/100/1000Mbps adaptive media converter with LFP DIP. It can transfer 1000Base-TX of electrical signals to 100Base-FX of optical signals. With LFP (Link Fault Pass-through) DIP it can help you to detect faulty quickly and precisely. It can extend the transmission distance from 100m to 120km via copper cables. There are also many other advantages such as isolation protection, good data security, working stability and easy maintenance.

### Features

- Support the switch between 1000Base-TX and 1000Base-FX
- 1\*1.2Gbps full-duplex fiber port and 1\*1000M Ethernet port
- Each port has the complete LED Indicator light for installation, commissioning and maintenance
- Support 9K Jumbo Packet
- LFP (Link Fault Pass-through) mod selection, Add USB power supply function
- Support direct forwarding mode, less time delay
- Less power consumption, only 1.5W in full load condition
- Support isolation protection function, good data security
- Small size, suitable for installation in various places

### Specifications

<b>Standards</b>	IEEE802.3u 100 Base-TX/FX
<b>Certifications</b>	CCC, CE, FCC, RoHS
<b>Ethernet Port</b>	<ul style="list-style-type: none"> <li>➤ Connector: RJ45</li> <li>➤ Data Rate: 10/100M</li> <li>➤ Distance: 100m</li> <li>➤ UTP Type: UTP-5E or higher level</li> </ul>
<b>Fiber Port</b>	<ul style="list-style-type: none"> <li>➤ Connector: SC/FC/ST slot</li> <li>➤ Data Rate: 1.25GMbps</li> <li>➤ Optical wavelength: 850nm/1310nm/1490nm/1550nm</li> <li>➤ Fiber type: single mode 9/125μm, multi-mode 50/125μm, 62.5/125μm</li> <li>➤ Distance: 550m~100km</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>➤ Processing Type: direct forwarding</li> <li>➤ Jumbo packet: 9k bytes</li> <li>➤ Time Delay: &lt;150μs</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>➤ Power type: external power supply</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Input Voltage: AC100V~240V 50/60Hz</li> <li>➤ Connector: DC Socket</li> <li>➤ Working Voltage: 5V-12V Add USB power supply function</li> <li>➤ Power Consumption: 0.7W~2.0W</li> </ul>
<b>Environment</b>	<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>
<b>Warranty</b>	1 year
<b>Physical Characteristics</b>	<ul style="list-style-type: none"> <li>➤ Dimension: 94×71×26mm</li> <li>➤ Weight: 0.15kg</li> <li>➤ Color: Metal, Black</li> </ul>

### Order Information

EM-1G1E-S20	1×1000Base-FX to 1×10/1000Base-TX, dual fiber, SC,20km
EM-1G1E-SA20	1×1000Base-FX to 1×10/1000Base-TX, TX1310/RX1550nm, SC, 20km
EM-1G1E-SB20	1×1000Base-FX to 1×10/1000Base-TX, TX1550/RX1310nm, SC, 20km
EM-1G1E-S40	1×1000Base-FX to 1×10/1000Base-TX, dual fiber, SC,40km
EM-1G1E-SA40	1×1000Base-FX to 1×10/1000Base-TX, TX1310/RX1550nm, SC, 40km
EM-1G1E-SB40	1×1000Base-FX to 1×10/1000Base-TX, TX1550/RX1310nm, SC, 40km
<b>Note:</b>	
1. Power supply provided by user or order additionally.	
2. SC slot connector as default, FC/ST slot as request.	