

# POE Media Converter

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## Variants

1G-2SC-8RJ45 1G-2SFP-4RJ45 1G-2SC-4RJ45 1G-1SC-2RJ45 1G-1SFP-2RJ45  
1G-8SC-2RJ45

## Details

### Product Overview

The **1G PoE Media Converter (2SC + 8RJ45)** is a compact, high- performance device that integrates **Gigabit Ethernet transmission** with **Power over Ethernet (PoE)** technology. It features **2x SC fiber ports** and **8x RJ45 Ethernet ports** with PoE output, allowing seamless fiber uplink with copper downlink distribution in surveillance, wireless access, and industrial networking environments.

## Key Features

1. **2 x 1000Mbps SC Fiber Ports** (Single-mode or Multi-mode)
2. **8 x 10/100/1000Mbps RJ45 Ports** with IEEE 802.3af/at PoE support
3. Supports PoE power output up to **30W per port**, max **120W total**

4. **Auto MDI/MDI-X** and auto-negotiation for RJ45 ports
5. Plug-and-play, no software required
6. Fiber port supports long-distance transmission (up to 20km or more, model-dependent)
7. Industrial-grade design for high durability

## Technical Specifications

Specification	Details
<b>Fiber Ports</b>	2× SC (1000Base-LX/FX, Singlemode or Multimode)
<b>Ethernet Ports</b>	8× RJ45 (10/100/1000 Mbps, Auto-Negotiation)
<b>Total PoE Budget</b>	Max 120W (varies by power supply)
<b>Fiber Transmission</b>	20km typical (SM); 2km (MM)
<b>Wavelength</b>	1310nm / 1550nm
<b>Power Supply</b>	External AC 100-240V, DC 48/57V

Specification	Details
<b>Input Voltage</b>	48~57V DC
<b>Operating Temperature</b>	-10°C to +55°C
<b>Storage Temperature</b>	-40°C to +85°C
<b>Humidity</b>	5% to 95% RH (non-condensing)
<b>Housing</b>	Metal, fanless design
<b>Dimensions</b>	Approx. 220mm × 150mm × 45mm
<b>Installation</b>	Desktop or wall-mount
<b>Certifications</b>	CE, FCC, RoHS

## Applications

1. IP surveillance and PoE camera deployment
2. Wireless AP backhaul

3. Fiber to Ethernet network conversion
4. Enterprise and campus networks
5. Industrial and smart building automation