

# OPL-MC1N-G0101

1×1000Base-SX to 1×10/100/1000Base-T Port Media Converter



## Introduction

OPL-MC1N-G0101 Series are 10/100/1000Mbps adaptive Gigabit Ethernet Media Converters. It has one 10/100/1000Mbps UTP port and one 1.25Gbps fiber port. It extends the transmission distance of a network from 100m via copper cables to 120km. It can extend the transmission distance, and also with many other advantages such as isolation protection, good data security, working stable and easy to maintain.

## Features

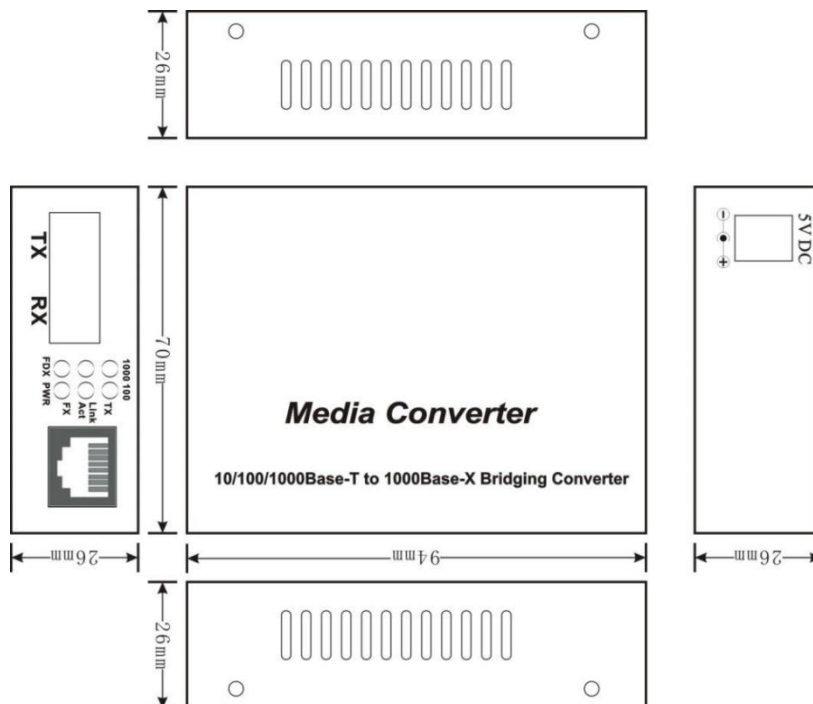
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Each port has the complete LED Indicator light
- Support IEEE802.1d Spanning Tree
- Supports high performance QoS function on each port
- Flow control fully supported
- Support broadcast storm protection
- Wide-range redundant power design ( 4.5~20VDC )
- 1\*9 fixed fiber module or SFP slot optional
- Support max forwarding packet length 9K bytes option
- Requires no configuration and will instantly operate as soon as you power it up
- Small volume
- Low power consumption

## Specification

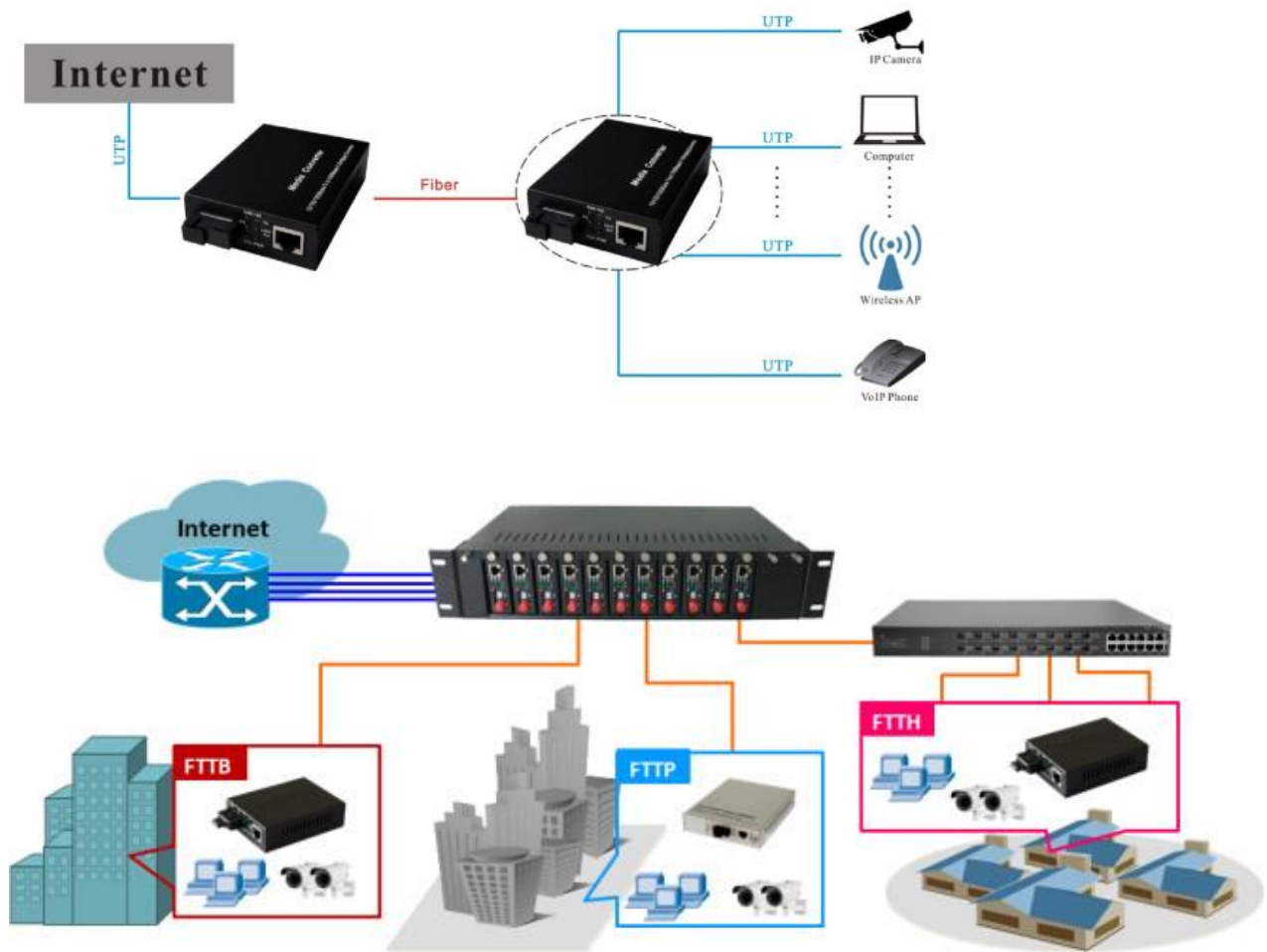
PART NO	OPL-MC1N-G0101 Series	
Standards	IEEE802.3 10Base-T	IEEE802.3x Flow control
	IEEE802.3u 100Base-TX/FX	IEEE802.1q VLAN
	IEEE802.3ab 1000Base-T	IEEE802.1p QoS
	IEEE802.3z 1000Base-SX/LX	IEEE802.1d Spanning Tree

Copper Port	<ul style="list-style-type: none"> <li>➤ Connector: RJ45</li> <li>➤ Data Rate: 10/100/1000M</li> <li>➤ Distance: 0~100m</li> <li>➤ UTP Type: UTP-5E or higher level</li> </ul>
Fiber Port	<ul style="list-style-type: none"> <li>➤ Connector: SC/FC/ST/SFP slot</li> <li>➤ Data Rate: 1.25G</li> <li>➤ Optical wavelength: 850nm/1310nm/1490nm/1550nm</li> <li>➤ Distance: 0~120km</li> </ul>
Performance	<ul style="list-style-type: none"> <li>➤ Processing Type: Store and Forward</li> <li>➤ MAC Table Size: 2K</li> <li>➤ Buffer Space: 1Mbit</li> <li>➤ Maximum Packet Length: 9K bytes</li> <li>➤ Time Delay: &lt;20μs</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: 5VDC</li> <li>➤ Power Consumption: 0.75W~3W</li> </ul>
Environment	<ul style="list-style-type: none"> <li>➤ Operating Temperature: -10°C~ +55°C</li> <li>➤ Storage Temperature: -40°C~ +70°C</li> <li>➤ Relative Humidity: 5-95% ( non-condensation)</li> </ul>
Physical Characteristics	<ul style="list-style-type: none"> <li>➤ Dimension: 94×70×26mm</li> <li>➤ Weight: 0.15kg</li> <li>➤ Color: Metal Black</li> </ul>

## ■ Dimensions



## Application



## Ordering Information

PART NO	DESCRIPTION
OPL-MC1N-G0101-MMD85-SC05	10/100/1000M Media Converter External Power-SC Fiber-Multi-mode Duplex-550meters
OPL-MC1N-G0101-SMD13-SC20	10/100/1000M Media Converter External Power-SC Fiber-Single-mode Duplex-20km
OPL-MC1N-G0101-SMS13-SC20	10/100/1000M Media Converter External Power-SC Fiber-Single-mode Single Fiber 1310nm-20km
OPL-MC1N-G0101-SMS15-SC20	10/100/1000M Media Converter External Power-SC Fiber-Single-mode Single Fiber 1550nm-20km
OPL-MC1N-G0101	10/100/1000M Media Converter External Power-SFP Fiber-Transceiver not included