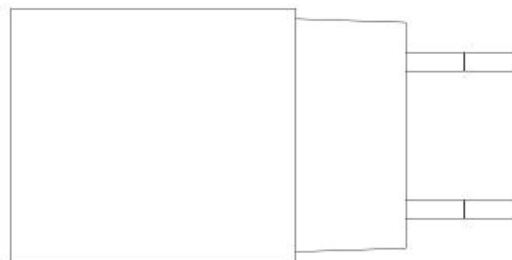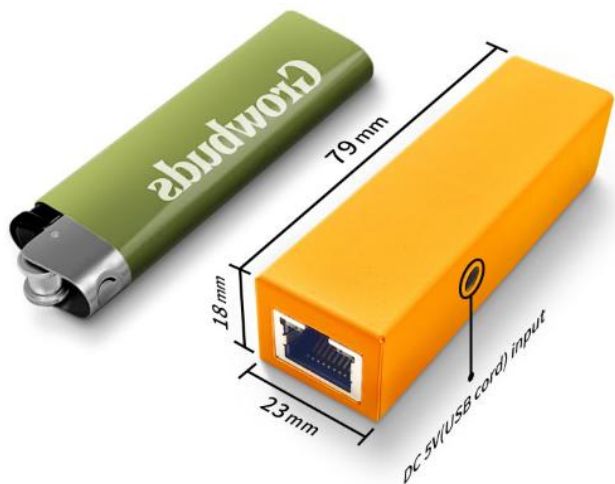# DS -MC- Micro

Ultra-compact Gigabit SFP Media Converter
with AC to USB Adaptor and DC to USB Power Cord

▌ Introduction

DS-MC1N-G0101Micro is the ultra-compact plug-and play 10/100/1000Base-T to 1000Base-X media converter which is designed for applications where compact size, light weight and low power are critical requirements. It can be easily installed in tight places or conveniently slip into any pocket or laptop carrying case for easy portability with its ultra-compact size (79*23*18mm) and ultra-light weight (57 g)

This ultra-compact media converter can be USB powered by USB 1.0 or 2.0 port, which is ideal for connections to fiber in areas where a spare power outlet may not be available. When plugged into a computer's USB port, the media converter shuts down automatically when you turn off the computer, which saves energy. So, this Ultra-compact media converter is an ideal solution for fiber-to-the-laptop where it needs Gigabit connectivity but local power isn't available. For applications not utilizing USB power, this converter is also available with a 5V AC/DC power adapter, providing compatibility with electrical outlet types.
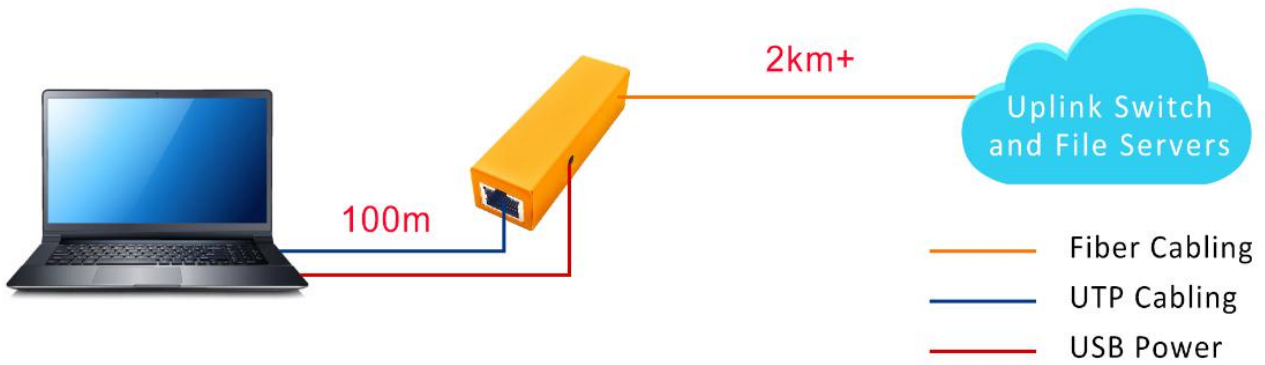
Features

- Ultra-compact size (79*23*18mm) and ultra-light weight (57g)
- 10/100/1000Base-T to 1000Base-X
- SFP slot for flexible long-distance transmission
- USB powered for easy portability or used with the included power adaptor
- Auto-negotiation
- Auto-MDI/MDIX
- Plug-and-Play
- Lower jitter
- Lower latency
- Ultra low power dissipation < 1.2W
- Support Jumbo frame 10Kbytes
- Support watchdog, automatically reboot if frozen
- Operation temperature: -20°C~70°C

Specification

Port Interface	
Fixed port	1*1000 Base-X SFP, 1*10/100/1000 Base - T
Power interface	DC jack (3.5*1.35mm)
LED Indicators	
Green LED	link/act indicator
Yellow LED	1000M link indicator
Cable-type &Transmission Distance	
Twisted-pair	0-100m (CAT5e,CAT6)
SFP slot	Depending on the SFP module
Electrical & Layer 2 Specifications	
Input voltage	DC 5V
Total Power consumption	Full load≤1.2W
MDX/MIDX	Support
Jumbo Frame	Support 10Kbytes
Watchdog	Support
Environment	
Operating temperature	-20°C~70°C
Storage temperature	-40°C~85°C
Relative humidity	5%~95% (non-condensing)
Thermal methods	Fan-less, natural cooling
MTBF	100,000 hours
Protection & Certification	
Surge protection of Ethernet port	IEC 61000-4-5 Level 3 (2KV) (10/700us)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free fall	0.5m
Certification	CE/FCC/RoHS
Mechanical Dimensions	
Product size	79*23*18mm
Installation Method	desktop
Weight	57g
Ref. Packaging	100pcs/ctn, Gross weight 16Kgs, ctn dim.57*48*30cm

Miniature Media Converter - Fiber to the Laptop

2km+

Uplink Switch
and File Servers

100m

	Fiber Cabling
	UTP Cabling
	USB Power

▊ Dimension

23mm

79mm

18mm