

Gigabit Fiber to RJ45 Ethernet Media Converter Dongle, Optical Singlemode 10km/Multimode 800m, PoE Powered, Compact Design, Metal Housing, Micro Mini, TAA

Product ID: D01ML55P-FIBER-MEDIA



This compact Gigabit Fiber to Ethernet Media Converter enables Cat6 or similar cabling to be upgraded to an EMI-free fiber connection. The TAA-compliant adapter is PoE powered, making it a perfect choice when external power options are unavailable.

The unmanaged fiber media converter features a plug-and-play design that does not require additional software or settings to be changed. The metal housing features an IP20 rating and is an all-in-one construction with integrated LC fiber and RJ45 ports. The RJ45 side features a metal tab to ensure a reliable and secure fit and prevent accidental disconnections.

The PoE media converter is designed to work seamlessly with any networking equipment that is PoE-capable and supports the 802.3af standard or higher. It comes equipped with a range of PoE protection features, including Over Voltage Protection (OVP), Over Current Protection (OCP), Over Temperature Protection (OTP), and 2KV Surge Protection. The LC slot is compatible with Single-Mode (10km) and Multimode (800m) fiber cables up to 1Gbps. A spring-loaded tab protects the port when not in use. The converter supports LFPT (Link Fault Pass-Through), allowing IT administrators to monitor and assess network connectivity at a glance based on the LED behavior.

This LAN-to-fiber converter is ideal for upgrading computers, switches, routers, or other equipment from copper to fiber. It suits various applications, including field deployments, industrial automation, telecommunications, broadcasting, data centers, and remote networking. Experience reliable connectivity with EMI immunity over long distances with this compact (3.20.80.7in/82.39x20x17.5mm) and power-efficient (2.5W max) dongle.

Certifications, Reports and Compatibility





Applications

Features

- **FIBER TO ETHERNET MEDIA CONVERTER:** Converts Gigabit fiber to RJ45 copper in a compact form factor; No SFP/Cat6 cables required; Conveniently PoE powered (802.3af or higher); Dimensions: 3.2x0.8x0.7in (82.4x20x17.2mm)
- **APPLICATIONS:** Upgrade PoE capable computers, switches, routers, or other equipment to fiber; Suitable for on-site network troubleshooting, field deployments, industrial automation, telecommunications, broadcasting, data centers, and remote networking
- **SHORT & LONG RANGE FIBER:** LC slot compatible w/Single-Mode (10km) & Multi-Mode (800m); Single speed 1Gbps for both fiber and RJ-45 ports; Status LEDs including LFPT (Link Fault Pass-Through) enables IT admins to monitor network connectivity
- **DURABLE CONSTRUCTION:** IP20-rated full-metal housing for enhanced durability; Metal RJ45 latch tab ensures a robust and secure connection; Spring-loaded dust cover protects port when not in use
- **TECH SPECS:** Single speed 1Gbps; x1 LC port; x1 RJ45; LC duplex; Singlemode SMF (10km) & multimode MMF (800m); 1310nm; LFPT; IP20 rated all metal housing; PoE powered 30-57V input; Max power consumption 2.5W

Hardware

Warranty	2 Years
PoE	Yes
Industry Standards	IEEE 802.3ab (1000BASE-T) IEEE 802.3z (1000BASE-LX) IEEE 802.3af (PoE)
Chipset ID	Marvell - 88E1512

Performance

Compatible Networks	1000 Mbps (1 Gbps)
Auto-Negotiation	Yes
Auto MDIX	Yes
MTBF	374,141 hours at 25°C (77°F)

Connector(s)

Connector A	1 - LC
Connector B	1 - RJ-45

Special Notes / Requirements

Note	The D01ML55P-FIBER-MEDIA expands toward the rear. Depending on the port spacing of your device, this may obstruct adjacent ports. Please refer to the technical diagram for precise dimensions and to ensure compatibility with your port spacing requirements.
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Indicators

LED Indicators	1 - Power , Solid Green: Module On , Off: Module Off 1 - Link/ACT , Solid Green: 1000Mbps , Blinking Green: Activity , Off: Disconnected 1 - Fiber , Solid Blue: Connected , Off: Disconnected
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Power

Power Source	PoE-Powered
Input Voltage	30 - 57V DC
Plug Type	RJ45 Male
Power Consumption (In Watts)	2.5W

Environmental

Operating Temperature	0C to 55C (32F to 131F)
Humidity	5~85% RH

Physical Characteristics

Color	Silver
Material	Metal and Plastic
Product Length	0.8 in [2.0 cm]
Product Width	3.2 in [8.2 cm]
Product Height	0.7 in [1.7 cm]

Weight of Product	1.5 oz [42.0 g]
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Packaging Information

Package Length	5.4 in [13.8 cm]
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Package Width	3.1 in [8.0 cm]
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Package Height	1.4 in [3.6 cm]
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Shipping (Package) Weight	2.7 oz [76.0 g]
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What's in the Box

Included in Package	1 - Media Converter
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	1 - Product Documentation
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Warranty Information

Warranty	2 Years
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****Product appearance and specifications are subject to change without notice.***