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

Product ID: D01ML55U-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 designed with a convenient built-in USB cable for power, 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 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; Convenient built-in USB cable for power; Dimensions: 3.2x0.8x0.7in (82.4x20x17.5mm)

• APPLICATIONS: Upgrade 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; Flexible strain relief on attached USB cable; 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; 1ft (300mm) built-in USB power cable; Max power consumption 2.5W

Hardware		
	Warranty	2 Years
	PoE	No
	Industry Standards	IEEE 802.3ab (1000BASE-T)
		IEEE 802.3z (1000BASE-LX)
	Chipset ID	Marvell - 88E1512

Performance		
	Compatible Networks	1000 Mbps (1 Gbps)
	Auto-Negotiation	Yes
	Auto MDIX	Yes

Connector(s)		
	Connector A	1 - LC
	Connector B	1 - RJ-45
		1 - USB Type-A (4-pin) USB 1.1

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

Power

	Power Source	USB-Powered
	Plug Type	USB A (4 pin) Male
	Power Consumption (In Watts)	2.5W Max

Environmental

	Operating Temperature	0C to 50C (32F to 122F)
	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 [1.8 cm]
	Weight of Product	1.7 oz [49.0 g]

Packaging Information

	Package Length	3.1 in [8.0 cm]
	Package Width	5.4 in [13.6 cm]
	Package Height	1.3 in [3.2 cm]
	Shipping (Package) Weight	2.8 oz [80.0 g]

What's in the Box

| Included in Package | 1 - Media Converter |
| | 1 - Quick-Start Guide |

Product appearance and specifications are subject to change without notice.