



Media Converter Multi Mode to Single Mode



User Manual

DN-82024 • DN-82124 • DN-82133

Overview

Networks often require conversion from multimode (MM) to single-mode (SM) fiber, which supports longer distances than MM fiber. Mode conversion is typically required when:

Network distance requirements exceed the limit of MM fiber. Lower cost legacy equipment uses MM ports, and connectivity is required to SM equipment. A building has MM equipment, while the connection to the Service Provider is SM. Or MM equipment is in a campus building and SM fiber is used between buildings

Feature

- Supporting IEEE802.3z 100/1000Base-SX/LX standards
- Supporting full-duplex/half-duplex transmission mode
- Supporting conversion between multi-mode fiber and single mode fiber
- Supporting direct and transparent transmission of packets at different lengths

Package Content

- 1x Media mode converter
- 1x User manual
- 1x Power adapter

Specification

		DN-82133	DN-82124	DN-82024
Standard		IEEE 802.3	IEEE 802.3	IEEE 802.3
Speed		100/1000Base-FX	1000Base-FX	100Base-FX
LED		Power x2 LINK A, LINK B		
Fiber A	Mode	SFP slot	Multi-Mode	Multi-Mode
	Connector		SC	SC
	Wavelength		850nm	1310nm
	Distance		550m	2 km
Fiber B	Mode	SFP slot	Single Mode	Single Mode
	Connector		SC	SC
	Wavelength		1310nm	1310nm
	Distance		20 km	20 km
Operating Temperature		0°C~70°C		
Operating Humidity		5%~90%		
Power		DC 5V1A		
Dimension		95 mm (H)*70 mm (W)*26 mm (D)		
Transmission Fiber		Multi-mode: 50/125, 62.5/125 or 100/140um Single mode: 8.3/125, 8.7/125, 9/125 or 10/125um		

LINK/LED Description

LEDs	State	Indications
POWER	Solid on	Power feeding in
	Off	No power
LINK A	Solid on	Port A multimode fiber signal detects: a valid connection established.
	Off	Multimode fiber link failed.
LINK B	Solid on	Port B single mode fiber signal detect: a valid connection established.
	Off	Single mode fiber link failed

Hereby Assmann Electronic GmbH, declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

www.assmann.com

Assmann Electronic GmbH
Auf dem Schüffel 3
58513 Lüdenscheid
Germany

