



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

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Assmann Electronic GmbH

Auf dem Schüffel 3

58513 Lüdenscheid

Germany

