4MI-M101S

Converter Series | Fast Ethernet Media Converter

Model-specific technical specification

DOCUMENT NO.	REVISION	RELEASE DATE	DOCUMENT STATUS
DS-M101S-KR	Rev. A	2026-09-16	TECHNICAL DATASHEET

01. TECHNICAL SUMMARY

Parameter	Specification	Parameter	Specification
RJ45 Interfaces	1 x RJ45	**Optical Interface**	1 x SFP
Ethernet Speed	10/100 Mbps	**PoE Support**	N/A
Power Consumption	3 W	**Power Input**	DC 5 V, 1.2 A
Dimensions	91 × 26 × 94 mm	**Operating Temp.**	-25 - 74 °C

Product Description

4MI-M101S는 RJ45 Ethernet과 SFP 광 인터페이스 간 데이터를 변환하는 미디어 컨버터입니다. Copper 기반 네트워크를 광 전송 구간으로 확장할 수 있습니다.

RJ45 1포트와 SFP 1슬롯을 제공하며, RJ45는 10/100 Mbps를 지원합니다. DC 5 V, 1.2 A 전원을 사용하고 소비전력은 3 W 입니다.

IEEE 802.3x Flow Control을 지원하며, 별도의 복잡한 설정 없이 네트워크에 적용할 수 있습니다. 광 전송 거리와 호환성은 선택하는 SFP 모듈에 따라 달라집니다.

02. HARDWARE SPECIFICATIONS

Electrical, interface, performance, mechanical and environmental ratings

Category	Parameter	Value / Rating
Interface	RJ45	1 ports; 10/100 Mbps
Interface	SFP	1 slot
Interface	PoE output	N/A
Protocol	10BASE-T	IEEE 802.3
Protocol	100BASE-TX	IEEE 802.3u
Protocol	1000BASE-T	N/A (100 Mbps model)
Protocol	Flow control	IEEE 802.3x
PoE	IEEE 802.3af / 802.3at	N/A
PoE	Default power pins	N/A
PoE	Optional power pins	N/A
Mechanical	Dimensions (W x D x H)	91 × 26 × 94 mm
Mechanical	Weight	0.4 kg
Environment	Operating temperature	-25 - 74 °C
Environment	Storage temperature	-40 - 85 °C
Environment	Relative humidity	5 - 95%, non-condensing
Power	Input rating	DC 5 V, 1.2 A
Power	Power consumption	3 W
Cabling	Copper link distance	Up to 100 m
Cabling	Cable for max. Ethernet speed	Cat5 or later
Reliability	MTBF	>100,000 hours

Notes

- 전원 입력은 DC 5 V, 1.2 A 이며 본체 소비전력은 3 W 입니다. PoE 전원 공급 기능은 지원하지 않습니다.
- 광모듈 속도, 파장, 광섬유 종류 및 전송 거리는 연결 장비와 SFP 사양을 함께 확인하십시오.
- 전원 어댑터와 SFP 모듈의 포함 여부는 주문 및 출고 구성에 따라 확인하십시오.

03. OPERATIONAL FEATURES

Converter Series functions and model-specific interface capabilities

Function Group	Supported Functions	Remarks
Application	Convert data between RJ45 Ethernet and SFP fiber	Model specific
RJ45 Interfaces	1 port(s); 10/100 Mbps	Copper interface
Optical Interface	1 SFP slot; module selected for link requirements	Model specific
PoE Output	N/A	Model specific
PoE Standards	N/A	Catalog listed
Power Pins	N/A	Non-PoE
10BASE-T	IEEE 802.3; Cat3/4/5 cable, up to 100 m	Copper link
100BASE-TX	IEEE 802.3u; Cat5 or later, up to 100 m	Copper link
1000BASE-T	N/A; Fast Ethernet model	Model specific
Flow Control	IEEE 802.3x	Catalog listed
Installation	Compact housing; simple network connection	Series feature
Reliability	MTBF >100,000 hours	Catalog listed

Reference basis

Reference	Coverage
4MITECH Product Catalog	4MITECH_Product_Catalog_N.pdf
Product scope	Converter Series; printed pp. 45-47 (PDF pp. 46-48)
Feature scope	M101S interfaces, power, environment and operating functions

04. MECHANICAL, ORDERING & COMPLIANCE

Installation data, order code, package contents and document control

Mechanical & Installation

Parameter	Requirement / Value
Product type	Media converter
Chassis dimensions	91 × 26 × 94 mm (W x D x H)
Weight	0.4 kg
Environment	-25 - 74 °C; 5 - 95% RH, non-condensing

Ordering Information

Order Code	Description	Power Configuration
4MI-M101S	Fast Ethernet media converter	DC 5 V, 1.2 A

Supply Configuration

Component	Configuration	Remarks
Main unit	4MI-M101S	1 RJ45; 1 SFP
Power connection	DC adapter connection	DC 5 V, 1.2 A
Optical modules	SFP	Select for link requirements
Accessories	Order dependent	Confirm with supplied package

Document References

Document	Reference
4MITECH Product Catalog	4MITECH_Product_Catalog_N.pdf; printed pp. 45-47
Test Report	Provided separately
Mechanical Drawing	Provided separately

Revision History

Rev.	Date	Description
A	2026-09-16	Initial model-specific datasheet