

4MI-G101BT

Converter Series | Gigabit PoE Injector

Model-specific technical specification

DOCUMENT NO.	REVISION	RELEASE DATE	DOCUMENT STATUS
DS-G101BT-KR	Rev. A	2026-09-16	TECHNICAL DATASHEET



01. TECHNICAL SUMMARY

Parameter	Specification	Parameter	Specification
RJ45 Interfaces	2 x RJ45	PoE Output	1 x RJ45
Ethernet Speed	10/100/1000 Mbps	PoE Standards	IEEE 802.3af/at/bt
Power Consumption	60 W	Power Input	AC 100 - 240 V
Dimensions	166 × 285 × 57 mm	Operating Temp.	-10 - 50 °C

Product Description

4MI-G101BT는 기존 Ethernet 네트워크에 PoE 전원 공급 기능을 추가하는 기가비트 PoE 인젝터입니다. 별도의 PoE 스위치 없이 IP 카메라와 무선 AP 등 PoE 단말을 연결할 수 있습니다.

10/100/1000Mbps RJ45 2포트 중 1포트에서 PoE 출력을 제공하며, IEEE 802.3af/at를 지원합니다. AC 100~240 V 전원을 사용하고 카탈로그 소비전력은 60 W입니다.

데이터와 전원을 하나의 UTP 케이블로 전달합니다. 기본 전원 공급 핀은 1/2(+), 3/6(-)이며, 옵션 구성은 4/5(+), 7/8(-)입니다.

02. HARDWARE SPECIFICATIONS

Electrical, interface, performance, mechanical and environmental ratings

Category	Parameter	Value / Rating
Interface	RJ45	2 ports; 10/100/1000 Mbps
Interface	SFP	N/A
Interface	PoE output	1 port; 10/100/1000 Mbps
Protocol	10BASE-T	IEEE 802.3
Protocol	100BASE-TX	IEEE 802.3u
Protocol	1000BASE-T	IEEE 802.3ab
Protocol	Flow control	IEEE 802.3x
PoE	IEEE 802.3af / 802.3at / 802.3bt	Supported
PoE	Default power pins	1/2(+), 3/6(-)
PoE	Optional power pins	4/5(+), 7/8(-)
Mechanical	Dimensions (W x D x H)	166 × 285 × 57 mm
Mechanical	Weight	0.2 kg
Environment	Operating temperature	-10 - 50 °C
Environment	Storage temperature	-40 - 80 °C
Environment	Relative humidity	5 - 95%, non-condensing
Power	Input rating	AC 100 - 240 V
Power	Power consumption	60 W
Cabling	Copper link distance	Up to 100 m
Cabling	Cable for max. Ethernet speed	Cat5e or later
Reliability	MTBF	>100,000 hours

Notes

- 카탈로그의 60 W 는 소비전력 항목입니다. 연결 단말의 요구 전력과 실제 PoE 출력 정격을 확인하십시오.
- 치수는 카탈로그 사양표와 기능 설명이 달라 확정하지 않았습니다. 발주 전 외형 치수를 확인하십시오.
- G101BT의 IEEE 802.3bt 지원 및 60 W PoE 출력은 카탈로그에서 확인되지 않습니다.

03. OPERATIONAL FEATURES

Converter Series functions and model-specific interface capabilities

Function Group	Supported Functions	Remarks
Application	Add PoE to an existing Ethernet network	Model specific
RJ45 Interfaces	2 port(s); 10/100/1000 Mbps	Copper interface
Optical Interface	N/A	Model specific
PoE Output	1 output port; data and power over one UTP cable	Model specific
PoE Standards	IEEE 802.3af and IEEE 802.3at	Catalog listed
Power Pins	Default: 1/2(+), 3/6(-); optional: 4/5(+), 7/8(-)	Order dependent
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	IEEE 802.3ab; Cat5e or later, up to 100 m	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	G101BT 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	PoE injector
Chassis dimensions	166 × 285 × 57 mm (W x D x H)
Weight	0.2 kg
Environment	-10 - 50 °C; 5 - 95% RH, non-condensing

Ordering Information

Order Code	Description	Power Configuration
4MI-G101BT	Gigabit PoE injector	AC 100 - 240 V

Supply Configuration

Component	Configuration	Remarks
Main unit	4MI-G101BT	2 RJ45; 1 PoE output
Power connection	AC input	AC 100 - 240 V
Optical modules	N/A	No optical interface
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