4MI-G802IFPM

산업용 PoE 스위치 | Industrial Managed PoE Switch

Model-specific technical specification

DOCUMENT NO.	REVISION	RELEASE DATE	DOCUMENT STATUS
DS-G802IFPM-KR	Rev. A	2026-09-16	TECHNICAL DATASHEET

01. TECHNICAL SUMMARY

Parameter	Specification	Parameter	Specification
Access Interfaces	10 x RJ45 (8 PoE+)	**Uplink**	2 x SFP
Switching Capacity	30 Gbps	**Forwarding Rate**	22.32 Mpps
MAC / PoE Budget	8K / 130 W	**Power Supply**	144 W DC
Dimensions	165 × 147 × 52.5 mm	**Operating Temp.**	-40 - 80 °C

Product Description

4MI-G802IFPM은 CCTV, 교통, 공장 자동화 및 원격 감시 환경을 위한 DIN-Rail형 산업용 관리형 PoE 스위치입니다.

기가비트 RJ45 10포트와 SFP 2슬롯을 제공하며, 스위칭 용량은 30Gbps, 포워딩 성능은 22.32Mpps입니다.

DC 44–55 V 입력과 -40–80 °C 동작 온도를 지원합니다. VLAN, STP/RSTP/MSTP, LACP, ERPS 및 보안·관리 기능을 지원합니다. 세부 기능은 모델 및 펌웨어에 따라 다릅니다.

02. HARDWARE SPECIFICATIONS

Electrical, interface, performance, mechanical and environmental ratings

Category	Parameter	Value / Rating
Interface	10/100/1000BASE-T RJ45	10 ports (8 PoE+)
Interface	SFP	2 slots
Interface	10G/GE SFP+	N/A
Interface	Console	1 x RJ45
Performance	Switching capacity	30 Gbps
Performance	Forwarding rate	22.32 Mpps
PoE	PoE budget	130 W
System	MAC address table	8K entries
System	Flash memory	128 MB
System	System memory	1 GB
Mechanical	Dimensions (W x D x H)	165 × 147 × 52.5 mm
Mechanical	Weight	1.2 kg
Environment	Operating temperature	-40 - 80 °C
Environment	Storage temperature	-45 - 85 °C
Environment	Relative humidity	0 - 90%, non-condensing
Power	Input rating	DC 44 - 55 V
Power	Power supply	144 W
Power	Power consumption	15 W no-load / 130 W full-load
Performance	Switching method	Store and Forward
PoE	PoE standards	IEEE 802.3af/at
Reliability	MTBF	100,000 hours

Notes

- 본체 입력: DC 44–55 V. 전원 구성: 144 W. PoE budget: 130 W (카탈로그 기준).
- 광모듈의 전송 거리와 호환 속도는 선택한 트랜시버 및 해당 슬롯 사양에 따라 달라집니다.
- 전원 어댑터·설치 부속품의 포함 여부와 공급 조건은 주문 및 출고 구성에 따라 확인하십시오.

03. SOFTWARE FEATURES

Industrial Series managed features; availability varies by model and firmware

Function Group	Supported Functions	Remarks
VLAN	Port-Based VLAN; IEEE 802.1Q; QinQ / Flexible QinQ; Private VLAN; GVRP	Model / firmware
Spanning Tree	IEEE 802.1D STP; 802.1w RSTP; 802.1s MSTP	Model listed
Link Aggregation	Dynamic LACP; Static Link Aggregation	Series feature
Ring Protection	ITU-T G.8032 ERPS	Series feature
Multicast	IGMP Snooping v1/v2/v3	Series feature
QoS	802.1p; 4 queues; 8 priority levels; SP / WFQ / WRED / FIFO; WRR; rate limiting	Model / firmware
Security / ACL	802.1X; Port Security; IP / MAC / VLAN ACL; RADIUS; user privilege management	Series feature
DHCP / ARP	DHCP Snooping; Dynamic ARP Inspection; Static/Dynamic ARP Protection; IP Source Guard	Series feature
Management	Console CLI; Telnet; SSH; Web; SNMP; RMON; SNTP; LLDP	Model / firmware
Operations	Port-Based / Flow-Based Mirroring; Cluster Management; PoE Management	Series feature
PoE	8 PoE+ ports; IEEE 802.3af/at; up to 30 W/port	Total budget applies
Industrial Protection	DIN-Rail; dual DC input; reverse-polarity protection; surge protection	Configuration dependent

Reference basis

Reference	Coverage
4MITECH Product Catalog	4MITECH_Product_Catalog_N.pdf
Product scope	Industrial Series; printed pp. 33-37 (PDF pp. 34-38)
Feature scope	G802IFPM hardware; managed series features, model dependent

04. MECHANICAL, ORDERING & COMPLIANCE

Installation data, order code, package contents and document control

Mechanical & Installation

Parameter	Requirement / Value
Mounting	DIN-Rail
Chassis dimensions	165 × 147 × 52.5 mm (W x D x H)
Weight	1.2 kg
Environment	-40 - 80 °C; 0 - 90% RH, non-condensing

Ordering Information

Order Code	Description	Power Configuration
4MI-G802IFPM	Industrial managed PoE+ switch	DC 44 - 55 V; 144 W

Supply Configuration

Component	Configuration	Remarks
Switch chassis	4MI-G802IFPM	10 RJ45; 8 PoE+
Power adapter	DC 44 - 55 V; 144 W	Confirm order configuration
Optical modules	SFP	Select for link requirements
Accessories	DIN-Rail clip / mounting parts	Confirm supplied accessories

Document References

Document	Reference
4MITECH Product Catalog	4MITECH_Product_Catalog_N.pdf; printed pp. 33-37; hardware p. 36
Test Report	Provided separately
Mechanical Drawing	Provided separately

Revision History

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