4MI-G802FPM-GPS

L2 PoE 스위치 | L2 Managed PoE Ethernet Switch

Model-specific technical specification

DOCUMENT NO.	REVISION	RELEASE DATE	DOCUMENT STATUS
DS-G802FPM-GPS-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 (2 × 2.5G)
Switching Capacity	30 Gbps	**Forwarding Rate**	22.32 Mpps
MAC / Jumbo Frame	8K / 9.6K	**Power Supply**	130 W AC
Dimensions	280 × 220 × 44 mm	**Operating Temp.**	-10 - 60 °C

Product Description

4MI-G802FPM-GPS은 CCTV, 교통, 공공기관, 캠퍼스 및 기업 네트워크에서 데이터 통신과 단말 전원 공급을 함께 제공하는 L2 관리형 PoE 스위치입니다.

기가비트 RJ45 10포트 중 8포트에서 PoE+를 지원하며, 스위칭 용량은 30Gbps, 포워딩 성능은 22.32Mpps입니다. 광 인터페이스와 PoE 전력은 아래 사양표를 참조하십시오.

VLAN, LACP, STP/RSTP/MSTP 및 EAPS/ERPS로 네트워크 분리와 경로 보호를 지원합니다. GPS형은 GPS 위치 정보를 활용한 NMS 지도 표시 기능을 제공합니다. 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 (1G / 2.5G)	2 slots (2 × 2.5G)
Interface	10G/GE SFP+	N/A
Interface	Console	1 x RJ45
Performance	Switching capacity	30 Gbps
Performance	Forwarding rate	22.32 Mpps
Performance	Jumbo frame	9.6K bytes
System	MAC address table	8K entries
System	Flash memory	128 MB
System	DRAM	1 GB
Mechanical	Dimensions (W x D x H)	280 × 220 × 44 mm
Mechanical	Weight	2.2 kg
Environment	Operating temperature	-10 - 60 °C
Environment	Storage temperature	-40 - 85 °C
Environment	Relative humidity	5 - 90%, non-condensing
Power	Input rating	AC 90 - 240 V, 50 Hz ±10%
Power	Power supply	130 W
Power	Power consumption	8 W no-load / 120 W full-load
Performance	Switching method	Store and Forward
PoE	PoE budget	130 W (catalog rating)
Reliability	MTBF	100,000 hours

Notes

- 전원: AC 90 - 240 V, 50 Hz ±10%, 130 W. 소비전력: 무부하 8 W / 최대부하 120 W.
- 광모듈에 따라 전송 거리가 달라집니다.
- PoE budget: 130 W (카탈로그 기준). 단말별 요구 전력과 전체 부하를 확인하십시오.

03. SOFTWARE FEATURES

Layer 2 PoE Series features; availability varies by model and firmware

Function Group	Supported Functions	Remarks
VLAN	802.1Q; Port/Protocol/MAC VLAN; Access/Trunk/Hybrid; Voice VLAN; QinQ; Multicast VLAN	Model dependent
Spanning Tree	IEEE 802.1D STP; 802.1w RSTP; 802.1s MSTP	Model listed
Link Aggregation	Static Link Aggregation; LACP	Series feature
Ring Protection	EAPS; ITU-T G.8032 ERPS	Model listed
Multicast	IGMP Snooping v1/v2; Fast Leave; Multicast VLAN; MLD Snooping on applicable models	Model dependent
QoS	DiffServ; 802.1p/DSCP; priority mark/remark; SP/WRR/SP+WRR; rate limiting; shaping	Model dependent
Security / ACL	Port Security/Isolation; 802.1X; AAA/RADIUS; IP-MAC-VLAN-Port Binding; L2-L4 ACL	Series feature
DHCP / Protection	DHCP Client/Server/Relay/Snooping; ARP Inspection; Anti-DoS; Broadcast Storm Control	Model dependent
Management	Console CLI; Telnet; SSH; SNMP; Web GUI	Model listed
Operations	RMON; LLDP; FTP/TFTP/SFTP; NTP; System Log; diagnostics	Series feature
PoE	IEEE 802.3af/at; PoE status and power control; priority; scheduling; power limit	Model / firmware
GPS	GPS location information; NMS coordinate and map display	Configuration dependent

Reference basis

Reference	Coverage
4MITECH Product Catalog	4MITECH_Product_Catalog_N.pdf
Product scope	Layer 2 PoE Series; printed pp. 27-31 (PDF pp. 28-32)
Feature scope	G802FPM-GPS hardware; series software, model dependent

04. MECHANICAL, ORDERING & COMPLIANCE

Installation data, order code, package contents and document control

Mechanical & Installation

Parameter	Requirement / Value
Chassis height	44 mm
Chassis dimensions	280 × 220 × 44 mm (W x D x H)
Weight	2.2 kg
Environment	-10 - 60 °C; 5 - 90% RH, non-condensing

Ordering Information

Order Code	Description	Power Configuration
4MI-G802FPM-GPS	8-port PoE+ L2 switch; 2 SFP	130 W AC power supply

Supply Configuration

Component	Configuration	Remarks
Switch chassis	4MI-G802FPM-GPS	10 RJ45 ports; 8 PoE+
Power supply	AC 90 - 240 V	130 W
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. 27-31; hardware p. 30
Test Report	Provided separately
Mechanical Drawing	Provided separately

Revision History

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