

4MI-G802FM

L2 스위치 | L2 Managed Ethernet Switch

Model-specific technical specification

DOCUMENT NO.	REVISION	RELEASE DATE	DOCUMENT STATUS
DS-G802FM-KR	Rev. C	2026-09-28	TECHNICAL DATASHEET



01. TECHNICAL SUMMARY

Parameter	Specification	Parameter	Specification
Access Interfaces	8 × 10/100/1000M RJ45	Uplink	2 × 100/1000M SFP
Switching Capacity	20 Gbps	Forwarding Rate	14.88 Mpps
MAC / Jumbo Frame	8K / 10K	Power Supply	30 W AC
Dimensions	206 × 140 × 44 mm	Operating Temp.	-10 to 55 °C

Product Description

4MI-G802FM은 CCTV·ITV, 교통 제어, 캠퍼스·커뮤니티 네트워크, 보안 시스템 및 공정 제어·모니터링을 위한 L2 관리형 스위치입니다.

10/100/1000M 비 PoE RJ45 8포트, 100/1000M SFP 2포트와 콘솔 1포트를 제공합니다. 스위칭 용량은 20Gbps, 포워딩 성능은 14.88Mpps입니다.

VLAN, LACP, STP/RSTP/MSTP 및 G.8032 ERPS로 네트워크 분리와 경로 보호를 지원합니다. SNMP v1/v2c/v3, SSH 2.0, HTTPS 및 CLI를 통해 장비를 관리할 수 있습니다.

02. HARDWARE SPECIFICATIONS

Electrical, interface, performance, mechanical and environmental ratings

Category	Parameter	Value / Rating
Interface	10/100/1000BASE-T RJ45	8 ports (Non-PoE)
Interface	100/1000M SFP	2 slots
Indicators	LED status	PWR / SYS / SFP L/A: green RJ45 Link/Act: yellow
Interface	Console	1 port
Performance	Switching capacity	20 Gbps
Performance	Forwarding rate	14.88 Mpps
Performance	Jumbo frame	10K bytes
System	MAC address table	8K entries
System	Flash memory	16 MB
System	RAM	116 MB
Mechanical	Dimensions (W x D x H)	206 × 140 × 44 mm
Mechanical	Weight	2.2 kg
Environment	Operating temperature	-10 to 55 °C
Environment	Storage temperature	-40 to 75 °C
Environment	Relative humidity	5 - 90%, non-condensing
Power	Input rating	AC 90 - 240 V, 50 - 60 Hz
Power	Power supply	30 W
Power	Power consumption	Standby < 8 W / Full load < 12 W
Performance	Switching method	Store and Forward
Standards	Ethernet	IEEE 802.3 / 802.3u / 802.3ab
Reliability	MTBF	100,000 hours

Notes

- RJ45 포트는 MDI/MDI-X 자동 전환, 10/100/1000Mbps 속도 협상 및 전이중·반이중 자동 협상을 지원합니다.
- 광모듈 사양 및 전송 거리는 선택한 SFP 트랜시버에 따라 달라집니다.
- 본 제품은 PoE 전원 공급 기능을 지원하지 않습니다. 입력 전압은 AC 90 - 240 V 범위에서 자동 대응합니다.

03. SOFTWARE FEATURES

VLAN, resilience, security, traffic control and management

Function Group	Supported Functions	Remarks
VLAN	802.1Q; Port/MAC/Protocol VLAN; Voice VLAN; QinQ; Access/Trunk/Hybrid; 4K VLAN	Catalog p. 3
Spanning Tree	IEEE 802.1D STP; 802.1w RSTP; 802.1s MSTP	Catalog p. 3
Link Aggregation	Static aggregation; LACP; up to 5 groups, 8 ports per group	Catalog p. 3
Ring Protection	G.8032 ERPS; recovery < 20 ms; up to 255 rings, 1,024 devices per ring	Catalog p. 3
Multicast	IGMP Snooping v1/v2; up to 1,024 groups; Fast Leave; MLD Snooping v1/v2; Multicast VLAN	Catalog p. 3
QoS	DiffServ; 802.1p/DSCP; priority mark/remark; 8 output queues per port; SP/WRR/SP+WRR; flow filtering, redirection and rate limiting	Catalog p. 3
Security	Port isolation; IP-MAC-VLAN-Port binding; ARP inspection/rate limit; IP source protection; MAC learning limit; MAC black hole; SSH 2.0; SSL	Catalog p. 3
AAA / ACL	802.1X; MAC authentication; AAA/RADIUS; L2-L4 ACL (first 80 bytes): source/destination MAC and IP, IP protocol, TCP/UDP port and range, VLAN; port/VLAN ACL	Catalog p. 3
DHCP	DHCP Client/Server/Relay; DHCP Snooping	Catalog p. 3
Protection	Broadcast storm control; Anti-DoS; user levels and password protection; configuration backup	Catalog p. 3
Management	Console/AUX modem/Telnet/SSH 2.0 CLI; HTTPS; SNMP v1/v2c/v3; NMS (LLDP + SNMP)	Catalog pp. 2-3
Operations	RMON groups 1/2/3/9; LLDP; FTP/TFTP/Xmodem/SFTP; NTP; bidirectional port mirroring; log; ping; cable diagnostics; CPU utilization; one-key recovery	Catalog pp. 2-3

Reference basis

Reference	Coverage
4MITECH Product Catalog	4MI-G802FM_카다로그_카티스.pptx
Product scope	G802FM product overview and specification; pp. 2-3
Feature scope	8 RJ45 / 20 Gbps / 8K MAC: specification; dimensions: p. 2 drawing

04. MECHANICAL, ORDERING & COMPLIANCE

Installation data, order code, package contents and document control

Mechanical & Installation

Parameter	Requirement / Value
Chassis height	44 mm
Chassis dimensions	206 × 140 × 44 mm (W x D x H)
Weight	2.2 kg
Environment	-10 to 55 °C; 5 - 90% RH, non-condensing

Ordering Information

Order Code	Description	Power Configuration
4MI-G802FM	8 RJ45 + 2 SFP L2 switch	30 W AC power supply

Supply Configuration

Component	Configuration	Remarks
Switch chassis	4MI-G802FM x 1	8 RJ45 ports; Non-PoE
Power supply	AC 90 - 240 V, 50 - 60 Hz	30 W
Optical modules	100/1000M SFP	Select for link requirements
Accessories	Power cable x 1; rack brackets x 2; screws x 10	Catalog package contents

Document References

Document	Reference
4MITECH Product Catalog	4MI-G802FM_카다로그_카티스.pptx; pp. 2-3
Test Report	Provided separately
Mechanical Drawing	Provided separately

Revision History

Rev.	Date	Description
B	2026-09-28	Updated hardware, software and product image from supplied catalog
C	2026-09-28	Expanded catalog specifications and increased product image spacing