

4MI-G2814TFM

L2 스위치 | L2 Managed Ethernet Switch

Model-specific technical specification

DOCUMENT NO.	REVISION	RELEASE DATE	DOCUMENT STATUS
DS-G2814TFM-KR	Rev. A	2026-09-10	TECHNICAL DATASHEET



01. TECHNICAL SUMMARY

Parameter	Specification	Parameter	Specification
Access Interfaces	12 x RJ45 (Non-PoE) + 28 x SFP	Uplink	4 x 10G/GE SFP+
Switching Capacity	160 Gbps	Forwarding Rate	119 Mpps
MAC / Jumbo Frame	32K / 9K	Power Supply	60 W AC
Dimensions	440 x 290 x 44 mm	Operating Temp.	-20 - 60 °C

Product Description

4MI-G2814TFM은 CCTV, 교통, 공공기관, 캠퍼스 및 기업 네트워크의 액세스·광 집선 구간을 위한 L2 관리형 스위치입니다.

12개의 기가비트 비 PoE RJ45 포트, 28개의 1G SFP 슬롯과 4개의 10G/GE SFP+ 업링크를 제공하며, 160Gbps 스위칭 용량과 119Mpps 포워딩 성능을 지원합니다.

VLAN, LACP, STP/RSTP/MSTP 및 EAPS/ERPS로 네트워크 분리와 경로 보호를 지원합니다. 멀티캐스트 제어, QoS, ACL 및 통합 관리 기능의 세부 지원 범위는 모델과 펌웨어에 따라 다릅니다.

02. HARDWARE SPECIFICATIONS

Electrical, interface, performance, mechanical and environmental ratings

Category	Parameter	Value / Rating
Interface	10/100/1000BASE-T RJ45	12 ports (Non-PoE)
Interface	1G SFP	28 slots
Interface	10G/GE SFP+	4 slots
Interface	Console / USB MGMT	1 x RJ45 / N/A
Performance	Switching capacity	160 Gbps
Performance	Forwarding rate	119 Mpps
Performance	Jumbo frame	9K bytes
System	MAC address table	32K entries
System	Flash memory	256 MB
System	DRAM	4 GB
Mechanical	Dimensions (W x D x H)	440 × 290 × 44 mm
Mechanical	Weight	4.0 kg
Environment	Operating temperature	-20 - 60 °C
Environment	Storage temperature	-40 - 80 °C
Environment	Relative humidity	5 - 90%, non-condensing
Power	Input rating	AC 100 - 240 V, 50 - 60 Hz ±10%
Power	Power supply	60 W
Power	Power consumption	10 W no-load / 55 W full-load
Performance	Switching method	Store and Forward
PoE	PoE budget	N/A (Non-PoE)
Reliability	MTBF	100,000 hours

Notes

- 전원 사양은 AC 100~240 V, 50~60 Hz ±10%, 60 W 입니다. 소비전력은 무부하 10 W, 최대부하 55 W 입니다.
- 광모듈 사양 및 전송 거리는 선택한 SFP/SFP+ 트랜시버에 따라 달라집니다.
- 본 제품은 PoE 전원 공급 기능을 지원하지 않습니다. 소비전력 및 환경 정격은 스위치 본체를 기준으로 합니다.

03. SOFTWARE FEATURES

Layer 2 Series features; availability varies by model and firmware

Function Group	Supported Functions	Remarks
VLAN	802.1Q; Port/MAC/Protocol VLAN; Voice VLAN; QinQ; Selective QinQ; Private VLAN; GVRP	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; Fast Leave; IGMP Filter; MVR; MLD Snooping; Multicast VLAN	Model dependent
QoS	DiffServ; 802.1p/DSCP; priority mark/remark; SP/WRR/SP+WRR; rate limiting; shaping	Model dependent
Security	Port Security/Isolation; IP-MAC-VLAN-Port Binding; ARP Inspection; IP Source Protection	Series feature
AAA / ACL	IEEE 802.1X; MAC Authentication; AAA/RADIUS; L2-L4 ACL	Series feature
DHCP	Client/Server/Relay; Snooping; Option 82 on applicable models	Model dependent
Protection	Broadcast Storm Control; Anti-DoS; Flood Protection	Series feature
Management	Console CLI; Telnet; SSH; SNMP; Web GUI	Model listed
Operations	RMON; LLDP; FTP/TFTP/SFTP; NTP; SPAN/RSPAN; System Log; diagnostics	Series feature

Reference basis

Reference	Coverage
4MITECH Product Catalog	4MITECH_Product_Catalog_N.pdf
Product scope	Layer 2 Series; printed pp. 23–25 (PDF pp. 24–26)
Feature scope	G2814TFM hardware; series software, model dependent

04. MECHANICAL, ORDERING & COMPLIANCE

Installation data, order code, package contents and document control

Mechanical & Installation

Parameter	Requirement / Value
Form factor	19-inch rack-mount, 1U
Chassis dimensions	440 × 290 × 44 mm (W x D x H)
Weight	4.0 kg
Environment	-20 - 60 °C; 5 - 90% RH, non-condensing

Ordering Information

Order Code	Description	Power Configuration
4MI-G2814TFM	12 RJ45 + 28 SFP + 4 SFP+ L2 switch	60 W AC power supply

Supply Configuration

Component	Configuration	Remarks
Switch chassis	4MI-G2814TFM	12 RJ45 ports; Non-PoE
Power supply	AC 100 - 240 V	60 W
Optical modules	SFP / 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. 23–25
Test Report	Provided separately
Mechanical Drawing	Provided separately

Revision History

Rev.	Date	Description
A	2026-09-10	Initial model-specific datasheet