4MI-G1604FPM-BT

L2 PoE 스위치 | L2 Managed PoE Ethernet Switch

Model-specific technical specification

DOCUMENT NO.	REVISION	RELEASE DATE	DOCUMENT STATUS
DS-G1604FPM-BT-KR	Rev. A	2026-09-16	TECHNICAL DATASHEET



01. TECHNICAL SUMMARY

Parameter	Specification	Parameter	Specification
Access Interfaces	20 x RJ45 (16 PoE++)	**Uplink**	4 x SFP (Combo)
Switching Capacity	40 Gbps	**Forwarding Rate**	41.66 Mpps
MAC / Jumbo Frame	8K / 10K	**Power Supply**	800 W AC
Dimensions	440 × 270 × 45 mm	**Operating Temp.**	-10 - 60 °C

Product Description

4MI-G1604FPM-BT은 CCTV, 교통, 공공기관, 캠퍼스 및 기업 네트워크에서 데이터 통신과 단말 전원 공급을 함께 제공하는 L2 관리형 PoE 스위치입니다.

기가비트 RJ45 20포트 중 16포트에서 PoE포트(최대90W)를 지원하며, 스위칭 용량은 40Gbps, 포워딩 성능은 41.66Mpps

입니다. 광 인터페이스와 PoE 전력은 아래 사양표를 참조하십시오.

VLAN, LACP, STP/RSTP/MSTP 및 EAPS/ERPS로 네트워크 분리와 경로 보호를 지원합니다. 세부 기능은 모델 및 펌웨어 에 따라 다릅니다.

02. HARDWARE SPECIFICATIONS

Electrical, interface, performance, mechanical and environmental ratings

Category	Parameter	Value / Rating
Interface	10/100/1000BASE-T RJ45	20 ports (16 PoE++)
Interface	1G SFP	4 slots (4 combo)
Interface	10G/GE SFP+	N/A
Interface	Console	1 x RJ45
Performance	Switching capacity	40 Gbps
Performance	Forwarding rate	41.66 Mpps
Performance	Jumbo frame	10K bytes
System	MAC address table	8K entries
System	Flash memory	16 MB
System	DRAM	128 MB
Mechanical	Dimensions (W x D x H)	440 × 270 × 45 mm
Mechanical	Weight	3.4 kg
Environment	Operating temperature	-10 - 60 °C
Environment	Storage temperature	-40 - 75 °C
Environment	Relative humidity	5 - 95%, non-condensing
Power	Input rating	AC 90 - 240 V, 50 - 60 Hz
Power	Power supply	800 W
Power	Power consumption	20 W no-load / 800 W full-load
Performance	Switching method	Store and Forward
PoE	PoE budget	800 W (catalog rating)

Notes

- 전원: AC 90 - 240 V, 50 - 60 Hz, 800 W. 소비전력: 무부하 20 W / 최대부하 800 W.
- 광모듈에 따라 전송 거리가 달라집니다. Combo 포트는 RJ45와 SFP가 인터페이스를 공유합니다.
- PoE budget: 800 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/bt ;PoE status and power control; priority; scheduling; power limit	Model / firmware
PoE Budget	16 PoE++ ports; total budget 800 W (catalog rating)	Model listed

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	4MI-G1604FPM-BT 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	45 mm
Chassis dimensions	440 × 270 × 45 mm (W x D x H)
Weight	3.4 kg
Environment	-10 - 60 °C; 5 - 95% RH, non-condensing

Ordering Information

Order Code	Description	Power Configuration
4MI-G1604FPM	16-port PoE++ L2 switch; 4 SFP	800 W AC power supply

Supply Configuration

Component	Configuration	Remarks
Switch chassis	4MI-G1604FPM-BT	20 RJ45 ports; 16 PoE++
Power supply	AC 90 - 240 V	800 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. 28
Test Report	Provided separately
Mechanical Drawing	Provided separately

Revision History

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