4MI-G2402FPL

PoE HUB | Unmanaged PoE Ethernet Switch

Model-specific technical specification

DOCUMENT NO.	REVISION	RELEASE DATE	DOCUMENT STATUS
DS-G2402FPL-KR	Rev. A	2026-09-16	TECHNICAL DATASHEET

01. TECHNICAL SUMMARY

Parameter	Specification	Parameter	Specification
Access Interfaces	24 x RJ45 (24 PoE)	**Uplink**	2 x SFP
Switching Capacity	52 Gbps	**Forwarding Rate**	38.69 Mpps
MAC / PoE Budget	8K / 380 W	**Power Supply**	415 W
Dimensions	440 × 270 × 44 mm	**Operating Temp.**	-10 - 60 °C

Product Description

4MI-G2402FPL은 CCTV, 무선 AP 및 PoE 단말에 데이터와 전원을 함께 제공하는 비관리형 PoE 스위치입니다. 별도의 관리 소프트웨어 설정 없이 네트워크를 구성할 수 있습니다.

RJ45 24포트 중 24포트에서 PoE 전원을 공급하며, SFP 2슬롯을 제공합니다. 스위칭 용량은 52Gbps, 포워딩 성능은 38.69Mpps이며, PoE budget은 380 W입니다.

1–2번 포트는 최대 90 W PoE++를, 나머지 PoE 포트는 최대 30 W를 지원합니다. DIP 스위치로 VLAN 격리 및 Extend 모드를 선택할 수 있습니다.

02. HARDWARE SPECIFICATIONS

Electrical, interface, performance, mechanical and environmental ratings

Category	Parameter	Value / Rating
Interface	10/100/1000BASE-T RJ45	24 ports (24 PoE)
Interface	SFP	2 slots
PoE	IEEE 802.3bt (90 W)	Ports 1 - 2
PoE	IEEE 802.3af/at (15.4/30 W)	Ports 3 - 24
Performance	Switching capacity	52 Gbps
Performance	Forwarding rate	38.69 Mpps
Performance	Jumbo frame	9K bytes
System	MAC address table	8K entries
Operation	DIP switch / OLED	Built-in / N/A
Protection	Surge protection	3 kV, 8/20 μs
Mechanical	Dimensions (W x D x H)	440 × 270 × 44 mm
Mechanical	Weight	3.5 kg
Environment	Operating temperature	-10 - 60 °C
Environment	Storage temperature	-40 - 75 °C
Environment	Relative humidity	5 - 90%, non-condensing
Power	Input rating	AC 90 - 240 V, 50 - 60 Hz ±10%
Power	Power supply	415 W
Power	Power consumption	18 W no-load / 380 W full-load
Reliability	MTBF	100,000 hours
PoE	PoE budget	380 W

Notes

- PoE budget 은 380 W 입니다. 포트별 최대 출력과 장비 전체 전력 한도를 함께 확인하십시오.
- Extend 모드: 1–8번 포트, 최대 250 m, 10 Mbps. 실제 거리는 케이블 및 연결 단말 조건에 따라 달라집니다.
- 광모듈 호환성 및 전송 거리는 선택한 SFP에 따라 달라집니다.

03. OPERATIONAL FEATURES

Unmanaged PoE HUB features; availability is specified by model

Function Group	Supported Functions	Remarks
Operation	Unmanaged; plug-and-play data and PoE connectivity	Model specific
Switching	Store-and-Forward; automatic MAC address learning and aging	Series feature
PoE Standards	IEEE 802.3af/at/bt	Total budget applies
PoE Output	Ports 1-2: up to 90 W; ports 3-24: up to 30 W	380 W total
DIP Switch	Built-in; operating functions depend on switch selection	Model listed
VLAN Isolation	Downlink port isolation via VLAN mode	Model listed
Extend Mode	Ports 1-8; up to 250 m at 10 Mbps	Cable / load dependent
OLED Display	N/A	Model listed
Console	N/A	Unmanaged model
Optical Interface	2 SFP slots; optical reach depends on transceiver	Select compatible optic
Surge Protection	3 kV, 8/20 μs	Model listed
Reliability	MTBF 100,000 hours	Model listed

Reference basis

Reference	Coverage
4MITECH Product Catalog	4MITECH_Product_Catalog_N.pdf
Product scope	PoE HUB Series; printed pp. 39-43 (PDF pp. 40-44)
Feature scope	G2402FPL specifications; model-specific unmanaged functions

04. MECHANICAL, ORDERING & COMPLIANCE

Installation data, order code, package contents and document control

Mechanical & Installation

Parameter	Requirement / Value
Chassis height	44 mm
Chassis dimensions	440 × 270 × 44 mm (W x D x H)
Weight	3.5 kg
Environment	-10 - 60 °C; 5 - 90% RH, non-condensing

Ordering Information

Order Code	Description	Power Configuration
4MI-G2402FPL	24-port PoE++ unmanaged switch	415 W

Supply Configuration

Component	Configuration	Remarks
Switch chassis	4MI-G2402FPL	24 RJ45; 24 PoE
Power supply	415 W	Confirm order configuration
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. 39-43; hardware p. 40
Test Report	Provided separately
Mechanical Drawing	Provided separately

Revision History

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