

4MI-SG122404FPM

보안기능확인 L2 스위치 | L2 Managed Ethernet Switch

Model-specific technical specification

DOCUMENT NO.	REVISION	RELEASE DATE	DOCUMENT STATUS
DS-SG122404FPM-KR	Rev. A	2024-08-12	FINAL / RELEASED



01. TECHNICAL SUMMARY

Parameter	Specification	Parameter	Specification
Access Interfaces	24 x RJ45 (PoE+) + 4 x SFP	Uplink	4 x 100/1000BASE-X SFP
Switching Capacity	56 Gbps	Forwarding Rate	41.66 Mpps
MAC / Jumbo Frame	8K / 9K	Power Supply	400 W
Dimensions	440 x 210 x 44 mm	Operating Temp.	-10 - 50 °C

Product Description

4MI-SG122404FPM은 보안기능확인을 획득한 SG1200 Series의 L2 PoE+ 스위치로, 방범·CCTV, 교통, 공장·플랜트 등 현장 네트워크를 위해 설계되었습니다.

24개의 PoE+ RJ45 포트와 4개의 SFP 업링크를 제공하며, 링 보호, 멀티캐스트 최적화, 보안 및 통합 관리 기능을 지원합니다.

EAPS/ERPS 및 STP/RSTP/MSTP 기반의 경로 보호, LACP, IGMP Snooping/MVR, CLI/Web/SNMP 관리 기능을 통해 장애 대응과 운영 효율을 지원합니다.

02. HARDWARE SPECIFICATIONS

Electrical, interface, performance, mechanical and environmental ratings

Category	Parameter	Value / Rating
Interface	10/100/1000BASE-T RJ45	24 ports (PoE+)
Interface	100/1000BASE-X SFP	4 slots
Interface	10G/GE SFP+	N/A
Interface	Console	1 x RJ45
Performance	Switching capacity	56 Gbps
Performance	Forwarding rate	41.66 Mpps
Performance	Jumbo frame	9K bytes
System	MAC address table	8K entries
System	Flash memory	16 MB
System	DRAM	128 MB
Mechanical	Dimensions (W x D x H)	440 × 210 × 44 mm
Mechanical	Weight	2.2 kg
Environment	Operating temperature	-10 - 50 °C
Environment	Storage temperature	-20 - 70 °C
Environment	Relative humidity	5 - 90%, non-condensing
Power	Input rating	AC 100 - 240 V, 50 Hz ±10%
Power	Power supply	400 W
Power	Power consumption	<17 W no-load / 393.5 W full-load
Thermal	Total heat output	1365.19 BTU/h
PoE	PoE budget	370 W
Reliability	MTBF	100,000 hours

Notes

- 모든 정격 사양은 정확한 하드웨어 리비전과 장착된 전원공급장치(PSU)에 따라 달라질 수 있습니다.
- 광모듈 사양 및 전송 거리는 선택한 SFP 트랜시버에 따라 달라집니다.
- 별도로 명시되지 않는 한, 환경 조건 및 제한 사양은 설치가 완료된 전체 시스템을 기준으로 적용됩니다.

03. SOFTWARE FEATURES

Protocol and feature support based on the SG1200 Series product catalog

Function Group	Supported Functions	Remarks
VLAN	VLAN segmentation; QoS policy	Series feature
Spanning Tree	STP; RSTP; MSTP	Model listed
Link Aggregation	IEEE 802.3ad LACP	Series feature
Ring Protection	EAPS; G.8032 ERPS	Series feature
Multicast	IGMP Snooping; Fast-leave; MVR	Series feature
PoE+	IEEE 802.3af/at; 370 W PoE budget	Series feature
QoS	VLAN/QoS policy support	Series overview
Security	Port Security/Isolation; DHCP Snooping (Option 82); IP-MAC-Port binding	Series feature
AAA / ACL	L2/L3/L4 ACL; IEEE 802.1X; RADIUS/TACACS+	Series feature
Protection	Storm-control; DoS/scan traffic mitigation	Series feature
Reliability	STP/RSTP/MSTP; EAPS/ERPS; LACP	Series feature
Management	Console; Telnet; SSH; SNMP; Web GUI	Model listed

Reference basis

Reference	Coverage
4MITECH Product Catalog	Integrated Edition Ver. 1.0
Product scope	SG1200 Series overview and SG122404FPM specifications
Feature scope	Catalog-listed hardware and software features

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 × 210 × 44 mm (W x D x H)
Weight	2.2 kg
Environment	-10 - 50 °C; 5 - 90% RH, non-condensing

Ordering Information

Order Code	Description	Power Configuration
4MI-SG122404FPM	24 PoE+ RJ45 + 4 SFP L2 switch	Single 400 W PSU

Package Contents

Item	Quantity	Remarks
Switch chassis	1	4MI-SG122404FPM
Power supply unit (PSU)	1	400 W
Rackmount kit	1 set	Included
Console cable	1	RJ45

Compliance References

Document	Reference
Security Function Confirmation Certificate	Certification obtained; certificate details provided separately
Test Report	Provided separately
Mechanical Drawing	Provided separately

Revision History

Rev.	Date	Description
A	2024-08-12	Initial release