

# 4MI-G2404TFPM-L3

## L3 스위치 | L3 Managed PoE+ Ethernet Switch

Model-specific technical specification

| DOCUMENT NO.       | REVISION | RELEASE DATE | DOCUMENT STATUS     |
|--------------------|----------|--------------|---------------------|
| DS-G2404TFPM-L3-KR | Rev. A   | 2026-09-10   | TECHNICAL DATASHEET |



### 01. TECHNICAL SUMMARY

| Parameter          | Specification     | Parameter        | Specification   |
|--------------------|-------------------|------------------|-----------------|
| Access Interfaces  | 24 x RJ45 (PoE+)  | Uplink           | 4 x 10G/GE SFP+ |
| Switching Capacity | 128 Gbps          | Forwarding Rate  | 95.23 Mpps      |
| MAC / Jumbo Frame  | 32K / 12K         | Power Redundancy | Max. 2 PSU, 1+1 |
| Dimensions         | 440 x 290 x 44 mm | Operating Temp.  | -20 - 60 °C     |

### Product Description

4MI-G2404TFPM-L3는 CCTV, 무선 AP, 공공기관, 캠퍼스 및 기업 네트워크의 액세스·집선 구간을 위한 L3 PoE+ 스위치입니다.

24개의 기가비트 PoE+ RJ45 포트와 4개의 10G/GE SFP+ 업링크를 제공하며, 128Gbps 스위칭 용량과 95.23Mpps 포워딩 성능을 지원합니다.

IEEE 802.3af/at에 따라 포트당 최대 30W, 총 380W의 PoE 전원을 공급합니다. IPv4/IPv6 라우팅과 VLAN, QoS, ACL을 지원하며, 전원은 최대 2개·1+1 이중화 구성이 가능합니다.

## 02. HARDWARE SPECIFICATIONS

Electrical, interface, performance, mechanical and environmental ratings

| Category    | Parameter                 | Value / Rating                      |
|-------------|---------------------------|-------------------------------------|
| Interface   | 10/100/1000BASE-T RJ45    | 24 ports (PoE+)                     |
| Interface   | 1G SFP                    | N/A                                 |
| Interface   | 10G/GE SFP+               | 4 slots                             |
| Interface   | Console / USB MGMT        | 1 x RJ45 / 1 x USB                  |
| Performance | Switching capacity        | 128 Gbps                            |
| Performance | Forwarding rate           | 95.23 Mpps                          |
| Performance | Jumbo frame               | 12K bytes                           |
| System      | MAC address table         | 32K entries                         |
| System      | Flash memory              | 256 MB                              |
| System      | DRAM                      | 2 GB                                |
| Mechanical  | Dimensions (W x D x H)    | 440 × 290 × 44 mm                   |
| Layer 3     | Total SVI                 | 128                                 |
| Environment | Operating temperature     | -20 - 60 °C                         |
| Environment | Storage temperature       | -40 - 75 °C                         |
| Environment | Relative humidity         | 5 - 90%, non-condensing             |
| Power       | Input rating              | AC 100 - 240 V, 50 - 60 Hz ±10%     |
| Power       | Power supply              | 400 W, max. 2 units, 1+1 redundancy |
| Layer 3     | Routing table IPv4 / IPv6 | 1,024 / 512 entries                 |
| Thermal     | Total heat output         | 220.69 BTU/h                        |
| PoE         | PoE budget                | 380 W total; up to 30 W per port    |
| Reliability | MTBF                      | 100,000 hours                       |

### Notes

- 전원 사양은 AC 100~240 V, 50~60 Hz ±10%이며, 400 W 전원을 최대 2 개·1+1 이중화로 구성할 수 있습니다.
- 광모듈 사양 및 전송 거리는 선택한 SFP+ 트랜시버에 따라 달라집니다.
- PoE+는 포트당 최대 30 W, 총 380 W를 지원합니다. 연결 단말의 합산 전력은 380 W 이내로 구성하십시오.

### 03. SOFTWARE FEATURES

Layer 3 Series features; availability varies by model and firmware

| Function Group           | Supported Functions                                                                      | Remarks         |
|--------------------------|------------------------------------------------------------------------------------------|-----------------|
| <b>VLAN</b>              | 4K; 802.1Q; MAC/Protocol VLAN; QinQ; Selective QinQ; GVRP; Private/Voice VLAN            | Series feature  |
| <b>Spanning Tree</b>     | STP; RSTP; MSTP; BPDU Guard; Root Guard; Loopback Guard                                  | Series feature  |
| <b>Link Aggregation</b>  | Static; IEEE 802.3ad LACP; 64 groups, 8 ports/group                                      | Model capacity  |
| <b>Multicast</b>         | IGMP v1/v2/v3; Snooping; Fast Leave; MVR; PIM-DM/SM; MLD                                 | Series feature  |
| <b>IPv4 Routing</b>      | Static; RIP v1/v2; OSPF; BGP; PBR; ECMP; BFD; VRRP; Multi-VRF                            | Model dependent |
| <b>IPv6</b>              | ND; DHCPv6; ACLv6; Static; RIPng; OSPFv3; BGP4+; IPv6 tunnels                            | Model dependent |
| <b>QoS</b>               | 802.1p/DSCP; SP/WRR/SP+WRR; shaping; rate limiting; Tail-Drop/WRED                       | Model dependent |
| <b>Security</b>          | Port Security/Isolation; IP-MAC-VLAN-Port Binding; DA; IP Source Guard                   | Series feature  |
| <b>AAA / ACL</b>         | IEEE 802.1X; AAA; RADIUS; L2/L3/L4 ACL; SSH; HTTPS                                       | Series feature  |
| <b>DHCP / Protection</b> | Client/Server/Relay; Snooping; Option 82; Storm Control; Anti-DoS                        | Series feature  |
| <b>Reliability</b>       | ERPS/EAPS; VRRP; ISSU; Virtual Stacking; redundant power                                 | Model dependent |
| <b>Management</b>        | Console; Telnet; SSH; HTTP(S); SNMP v1/v2/v3; RMON; LLDP; NTP; sFlow                     | Series feature  |
| <b>PoE+</b>              | IEEE 802.3af/at; power allocation; port priority; monitoring; power-on delay; scheduling | PoE model       |

#### Reference basis

| Reference                      | Coverage                                                |
|--------------------------------|---------------------------------------------------------|
| <b>4MITECH Product Catalog</b> | 4MITECH_Product_Catalog_N.pdf                           |
| <b>Product scope</b>           | Layer 3 Series; printed pp. 19–21 (PDF pp. 20–22)       |
| <b>Feature scope</b>           | G2404TFPM-L3 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)           |
| Power configuration | 400 W, max. 2 units, 1+1 redundancy     |
| Environment         | -20 - 60 °C; 5 - 90% RH, non-condensing |

Ordering Information

| Order Code       | Description                     | Power Configuration    |
|------------------|---------------------------------|------------------------|
| 4MI-G2404TFPM-L3 | 24 PoE+ RJ45 + 4 SFP+ L3 switch | 400 W; max. 2 PSU, 1+1 |

Supply Configuration

| Component       | Configuration    | Remarks                       |
|-----------------|------------------|-------------------------------|
| Switch chassis  | 4MI-G2404TFPM-L3 | 24 PoE+ ports; 380 W budget   |
| Power supply    | Max. 2 PSU, 1+1  | 400 W; order dependent        |
| 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. 19–21 |
| Test Report             | Provided separately                              |
| Mechanical Drawing      | Provided separately                              |

Revision History

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