

# POE-16MB2GC-ML2

## 16-Port PoE Switch



### Product Overview

This is a dedicated PoE switch for the security industry, which is different from a standard switch. The PoE management function realizes power control and real-time port consumption display and it's widely used in surveillance projects. This switch also provides 250 meters long distance PoE transmission and an 'orange port' for Hi-PoE powered device.

### Features

- Layer 2 management PoE switch
- PoE budget: 240W
- Support PoE, PoE+, Hi-PoE
- 'Orange port' support Hi-PoE, can be used with a PoE extender (PFT1300)
- 250 meters long distance PoE transmission
- PoE management, PoE Setting/Event Statistics/Green PoE
- Search and upgrade via ConfigTool
- Support Web management
- High lightning protection design
- Non-blocking video transmission

| Technical Specification |                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------|
| Ethernet Port           | 2*10/100/1000 Base-T (Combo port)<br>2*1000 Base-X (Combo port)<br>16*10/100 Base-T (PoE power supply) |
| PoE Power Consumption   | Port1/2 support Hi-PoE (60W), PoE+, PoE<br>Each power ≤30W<br>Totals≤240W                              |
| PoE Protocol            | IEEE802.3af, IEEE802.3at, Hi-PoE                                                                       |
| Switching Capacity      | 8.8G                                                                                                   |
| Packet Forwarding Rate  | 5.36Mpps                                                                                               |
| Humidity                | 10%~90%                                                                                                |
| Power                   | AC 100~240V                                                                                            |
| Lightning Protection    | Common Mode 4KV<br>Differential Mode 2V                                                                |
| Working Temperature     | -10℃~55℃                                                                                               |
| Weight                  | 3.51kg                                                                                                 |
| Dimension(W×D×H)        | 440mm x300mm x44mm                                                                                     |

| Service Characteristics |                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------|
| System                  | Username / password: admin/admin                                                     |
|                         | IP Address :192.168.1.110/24                                                         |
| PoE Budget              | 240W                                                                                 |
| MAC Table               | 4K                                                                                   |
| VLAN                    | 802.1Q Standard VLAN                                                                 |
| Spanning Tree           | STP<br>RSTP                                                                          |
| Port Aggregation        | Static link aggregation<br>LACP protocol                                             |
| Mirroring               | Many-to-one port mirroring                                                           |
| DHCP                    | Support DHCP-Client                                                                  |
| Long Distance Mode      | "Power & Data" transmission distance up to 250m                                      |
| Flow Control            | Half-duplex based on back pressure type control;<br>Full duplex based on PAUSE frame |
| Security Features       | IP+MAC binding based on port;<br>IEEE802.1x port authentication                      |
| System Maintenance      | One-key recovery<br>Support the updated packet upload<br>System log                  |
| QoS                     | High and low priority, WRR<br>802.1P, DSCP<br>Support priority according to protocol |
| Network Management      | WEB(http and https protocol)<br>Support SNMP V1/V2C/V3                               |
| PoE Management          | PoE setting (real-time port consumption)                                             |
|                         | PoE event statistics                                                                 |
|                         | Green PoE                                                                            |