

Ernitec ELECTRA-M248-1GB-900W network switch Managed L3 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) Black



Brand : Ernitec

Product code: ELECTRA-M248-1GB-900W

Product name : ELECTRA-M248-1GB-900W

48-Port Gigabit and 6-Port 10G SFP+ Managed L3 PoE Switch, 1-Console Port, PoE 900W

Ernitec ELECTRA-M248-1GB-900W network switch Managed L3 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) Black:

This device is compliant with IEEE standards 802.1d, 802.1w, 802.1s, 802.1p, 802.3, 802.3u, 802.3x, 802.3z, 802.3ab, and 802.3ae.

It offers L3 management, DHCP Server support, QoS, ACL control, and SNMP V1/V2/V3 compatibility.

It also supports IGMP Snooping v1/v2, Spanning Tree Protocol STP/RSTP/MSTP (ERPS), loop detection and self-healing, as well as remote loopback monitoring and control (802.3ah OAM).

The device supports multiple VLAN partitions, including MAC VLAN and protocol VLAN, and features IP address+MAC address+VLAN+port binding, DHCP Snooping, and IP source and DAI protection.

It supports IPV4/IPV6, RIP v1/v2, OSPF v2, and offers management via WEB, TELNET, CLI, SSH, SNMP, and RMON.

It is compatible with IEEE802.3af (15.4W), IEEE802.3at (30W), standards. Additionally, it supports PoE watchdog, PoE port power supply and power configuration, and PoE time management.

| Management features                             |                                | Design                                   |           |
|-------------------------------------------------|--------------------------------|------------------------------------------|-----------|
| Switch type *                                   | Managed                        | Housing material                         | Metal     |
| Switch layer                                    | L3                             | Reset button                             | ✓         |
| Ports & interfaces                              |                                | LED indicators                           | Power     |
| Basic switching RJ-45 Ethernet ports quantity * | 48                             | Number of fans                           | 4 fan(s)  |
| Basic switching RJ-45 Ethernet ports type *     | Gigabit Ethernet (10/100/1000) | Performance                              |           |
| Installed SFP modules quantity *                | 6                              | Firmware upgradeable                     | ✓         |
| Installed SFP+ modules quantity *               | 6                              | Telnet                                   | ✓         |
| SFP/SFP+ slots quantity                         | 6                              | Fanless                                  | ✗         |
| Number of management ports                      | 54 pc(s)                       | Power                                    |           |
| Console port                                    | RJ-45                          | AC input frequency                       | 50/60 Hz  |
| Power connector                                 | AC/DC                          | Surge protection                         | ✓         |
| Network                                         |                                | Surge protection voltage                 | 6 kV      |
| Networking standards *                          | IEEE 802.3                     | Power over Ethernet (PoE)                |           |
| 10G support *                                   | ✓                              | Power over Ethernet (PoE) *              | ✓         |
| Port mirroring                                  | ✓                              | Power over Ethernet (PoE) ports quantity | 48        |
| Flow control support                            | ✓                              | Power over Ethernet (PoE) power per port | 15.4 W    |
| Link aggregation                                | ✓                              | Total Power over Ethernet (PoE) budget   | 900 W     |
| Number of VLANs                                 | 4000                           | Other features                           |           |
| Data transmission                               |                                | Material                                 | Metal     |
| Switching capacity *                            | 216 Gbit/s                     | Operational conditions                   |           |
| Forwarding rate                                 | 160.76 Mpps                    | Operating temperature (T-T)              | 0 - 40 °C |
| MAC address table *                             | 32000 entries                  | Weight & dimensions                      |           |
| Store-and-forward                               | ✓                              | Width                                    | 440 mm    |
| Jumbo frames support                            | ✓                              | Depth                                    | 360 mm    |
| Jumbo frames                                    | 10000                          | Height                                   | 44.5 mm   |
| Security                                        |                                | Weight                                   | 5.9 kg    |
| MAC address filtering                           | ✓                              | Packaging content                        |           |
| MAC address entries                             | Dynamic MAC address entries    | Cables included                          | AC        |
| Multicast features                              |                                |                                          |           |
| Multicast support                               | ✓                              |                                          |           |

| Design          |       | Packaging content          |         |
|-----------------|-------|----------------------------|---------|
| Rack mounting * | ✓     | Manual                     | ✓       |
| Product colour  | Black | Packaging data             |         |
|                 |       | Mounting brackets included | ✓       |
|                 |       | Package width              | 580 mm  |
|                 |       | Package depth              | 440 mm  |
|                 |       | Package height             | 120 mm  |
|                 |       | Package weight             | 7.19 kg |



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### Catalog Object Cloud



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