

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

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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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