

MPN: ELECTRA-M248-1GB-900W

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

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.

- Comply with IEEE 802.1d, IEEE 802.1w, IEEE 802.1s, IEEE 802.1p, IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3ae standard
- Support L3 management, DHCP Server, QoS, ACL control, SNMP V1/V2/V3, IGMP Snooping v1/v2
- Support Spanning Tree Protocol STP/RSTP/MSTP (ERPS), Loop Detection and Self Healing, and Remote Loop Monitoring and Control
- Support multiple VLAN partitions, including MAC VLAN and protocol VLAN
- Support IP address+MAC address+VLAN+port binding, DHCP Snooping, IP source and DAI protection
- Support IPV4/IPV6, RIP v1/v2, OSPFv2
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management
- Comply with IEEE802.3af (15.4W), IEEE802.3at (30W)
- Support PoE watchdog, PoE port power supply and power configuration, PoE time management
- 5 Year Warranty



Specifications

Certificates	NDAA Compliance	Yes
Data transmission	Forwarding rate	160.76 Mpps
	Jumbo frames	10000
	Jumbo frames support	Yes
	MAC address table	32000 entries
	Store-and-forward	Yes
	Switching capacity	216 Gbit/s

Design	Housing material	Metal
	LED indicators	Power, System, PoE
	Number of fans	4 fan(s)
	Product colour	Black, White
	Rack mounting	Yes
	Reset button	Yes
	RoHS compliance	Yes
Management features	Switch layer	L3
	Switch type	Managed
Multicast features	Multicast support	Yes
Network	10G support	Yes
	Flow control support	Yes
	Link aggregation	Yes
	Networking standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3ae, IEEE 802.1d, IEEE 802.1w, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1p, IEEE 802.1X
	Number of VLANs	4000
	Port mirroring	Yes
Operational conditions	Operating temperature (T-T)	0-40 °C
Other features	Material	Metal
Packaging data	Cables included	AC
	Manual	Yes
	Mounting brackets included	Yes
Performance	Fanless	No
	Firmware upgradeable	Yes
	Telnet	Yes
Ports & interfaces	Basic switching RJ-45 Ethernet ports quantity	48
	Basic switching RJ-45 Ethernet ports type	Gigabit Ethernet (10/100/1000)
	Console port	RJ-45
	Installed SFP modules quantity	6
	Installed SFP+ modules quantity	6
	Number of management ports	54 pc(s)
	Power connector	AC/DC
	SFP/SFP+ slots quantity	6
Power	AC input frequency	50/60 Hz
	AC input voltage	100-240 V
	Surge protection	Yes
	Surge protection voltage	6 kV
Power over Ethernet (PoE)	Power over Ethernet (PoE)	Yes

Power over Ethernet (PoE)	Power over Ethernet (PoE) ports quantity	48
	Power over Ethernet (PoE) power per port	15.4 W
	Total Power over Ethernet (PoE) budget	900 W
Security	MAC address entries	Dynamic MAC address entries, Static MAC address entries
	MAC address filtering	Yes
Vendor information	Brand Name	Ernitec
	Homepage	http://www.ernitec.com
	Warranty	5 Year(s)