

MPN: ELECTRA-U09-2.5GB-150W

8-Port 2.5 Gigabit Unmanaged Intelligent PoE Switch, 8 PoE 2.5 Gigabit RJ45 ports, 1 x 10G SFP+ port - PoE 135W

Ernitec 8-Port 2.5G + 1-Port 10G SFP+ PoE Switch (ELECTRA-U09-2.5GB-150W)

Step up to serious network performance with the ELECTRA-U09-2.5GB-150W, a powerful 9-port switch combining eight 2.5Gbps PoE ports with a dedicated 10G SFP+ uplink port. It's built for environments where multiple high-bandwidth devices, such as WiFi 6/6E access points and 2.5G-capable IP cameras, all need to be connected and powered without compromising on speed.

Each RJ45 port automatically adapts to 100M, 1G, or 2.5Gbps, while the 10G SFP+ port provides a fast, dedicated path to your core network or NAS. A 60Gbps switching bandwidth and 44.64Mpps forwarding rate handle heavy multi-device loads with ease, and support for jumbo frames up to 9216 bytes suits demanding data transfers.

Power handling stands out, with a total PoE budget of 135W across all eight ports. Port 1 supports HiPoE up to 60W for high-draw devices, while ports 2 through 8 deliver up to 30W each. PoE priority is enabled by default across ports 1-8, and a dedicated PoE Max LED warns visually as power usage approaches capacity.

The switch runs completely fanless for silent operation, keeping a compact footprint at 220 x 161 x 44.5mm despite its extra ports and power capacity. Robust surge and ESD protection safeguard it against power spikes and interference, and setup is fully plug-and-play with no configuration needed. Optional wall-mount or rack-mount ears are available for flexible installation.

- 8 * 2.5G PoE ports + 1 x 10G SFP+ port
- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3z, IEEE 802.3ae and IEEE 802.3x standards
- RJ45 port supports 100M/1G/2.5G adaptive
- PoE priority is enabled by default, priority order 1-8
- PoE priority is enabled by default, with priority order from 1 to 8 ports
- Flow control method, IEEE802.3x standard for full duplex and Backpressure standard for half duplex
- The panel indicator LED will monitor the working status and assist in fault analysis
- Supports automatic port flipping (Auto MDI/MDIX)
- Port 1 supports HiPoE 60W
- 5 Year Warranty

Specifications

Certificates	NDA Compliance	Yes
Data transmission	Forwarding rate	44.64 Mpps
	MAC address table	4000 entries



Data transmission	Store-and-forward	Yes
	Switching capacity	20 Gbit/s
Design	Housing material	Metal
	LED indicators	Power, PoE, LINK, SFP
	Number of fans	0 fan(s)
	RoHS compliance	Yes
Legal Information	Country of Origin	China
	EU ECCN Code	N/A
	Tariff No.	8517620000
	UNSPSC Code	43222612
	US ECCN Code	5A991
Management features	Switch type	Unmanaged
Network	Flow control support	Yes
	Full duplex	Yes
	Half duplex	Yes
	Networking standards	IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3x
	VLAN support	Yes
Operational conditions	Operating temperature (T-T)	0-40 °C
	Storage relative humidity (H-H)	5-95 %
	Storage temperature (T-T)	10-90 °C
Other features	Dimensions (WxDxH)	220 x 161 x 44 mm
	Mounting	Desktop
	Power LED	Yes
Package dimensions	Depth (package,cm)	21.5 cm
	Gross Weight (Package, kg)	1.23 kg
	Height (package,cm)	8.5 cm
	Width (package,cm)	31.5 cm
Packaging data	Cables included	Power
	Manual	Yes
Performance	Fanless	Yes
Ports & interfaces	2.5G Ethernet (copper) ports quantity	8
	Basic switching RJ-45 Ethernet ports quantity	8
	Basic switching RJ-45 Ethernet ports type	2.5G Ethernet
	Combo SFP ports quantity	1
	Power cables quantity	1
	Power connector	AC-in jack

Ports & interfaces	SFP module slots quantity	1
	SFP+ module slots quantity	1
Power	AC input frequency	50/60 Hz
	AC input voltage	100-240 V
	Power consumption (max)	11.29 W
	Surge protection	Yes
	Surge protection voltage	4 kV
Power over Ethernet (PoE)	Power over Ethernet (PoE)	Yes
	Power over Ethernet (PoE) ports quantity	8
	Power over Ethernet (PoE) power per port	30 W
	Power over Ethernet (PoE) type supported	PoE+, PoE++ (4PPoE)
	Power over Ethernet (PoE) voltage range	44-57 V
	Power over Ethernet 4PPoE (PoE++) ports quantity	1
	Power over Ethernet plus (PoE+) ports quantity	7
	Total Power over Ethernet (PoE) budget	135 W
Product dimensions	Net Weight (Product, kg)	0.916 kg
	Product Depth	16.1 cm
	Product Height	4.4 cm
	Product Width	22 cm
Vendor information	Brand Name	Ernitec
	Homepage	http://www.ernitec.com
	Warranty	5 Year(s)

Other images

Product Structure Diagram

