

MPN: ELECTRA-U05-2.5GB-65W

5-Port 2.5 Gigabit Unmanaged Intelligent PoE Switch, 4 PoE 2.5 Gigabit RJ45 ports, 1 x 2.5Gbps RJ45 port - PoE 58W

Ernitec 5-Port 2.5G PoE Switch (ELECTRA-U05-2.5GB-65W)

Give your network a serious speed upgrade with the ELECTRA-U05-2.5GB-65W, a compact 5-port switch built for the demands of modern PoE devices. With four 2.5Gbps PoE ports and one additional 2.5Gbps RJ45 uplink port, it's ideal for connecting WiFi 6/6E access points, high-resolution IP cameras, and other bandwidth-hungry equipment that has outgrown standard Gigabit networking.



Each port automatically adapts to 10M, 100M, 1G, or 2.5Gbps depending on the connected device, ensuring broad compatibility, while Auto MDI/MDIX support means you never have to worry about cable type. A 25Gbps switching bandwidth and an 18.6Mpps forwarding rate keep data moving smoothly even under heavy load.

Power delivery is a real strength, with support for both IEEE 802.3af and 802.3at standards, allowing up to 30W of PoE output per port and a total power budget of 58W across all four PoE ports, so you can power multiple demanding devices at once without a separate injector.

Despite its capabilities, the switch runs completely fanless, making it silent and a great fit for home offices, meeting rooms, or noise-sensitive environments. Its metal housing measures just 140 x 93 x 28mm and weighs only 0.3kg. Robust surge and ESD protection adds extra durability against power fluctuations and electrical interference.

Setup is true plug-and-play, with no configuration required, and front-panel LEDs give an at-a-glance view of link status, speed, and PoE activity for quick troubleshooting.

- 4*2.5Gbps PoE ports+1*2.5Gbps RJ45 port
- Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, and IEEE 802.3x standards
- Ethernet Ports support 10M/100M/1G/2.5Gbps self-adaptive
- Support automatic port flipping (Auto MDI/MDIX)
- The panel indicator LEDs will monitor the working status and assist in fault analysis
- Flow control method, IEEE802.3x standard for full duplex and Backpressure standard for half duplex
- 5 Year Warranty

Specifications

Certificates	NDAA Compliance	Yes
Data transmission	Forwarding rate	18.6 Mpps
	Jumbo frames support	Yes
	MAC address table	4000 entries

Data transmission	Packet forwarding	Yes
	Store-and-forward	Yes
	Switching capacity	25 Gbit/s
Design	Housing material	Metal
	LED indicators	PoE, Power, System
	RoHS compliance	Yes
Management features	Switch type	Unmanaged
Network	Networking standards	IEEE 802.3U, IEEE 802.3ab, IEEE 802.3, IEEE 802.3az, IEEE 802.3z, IEEE 802.3x
	VLAN support	Yes
Operational conditions	Operating temperature (T-T)	-40-70 °C
Other features	Material	Metal
	Power LED	Yes
Packaging data	Manual	Yes
Performance	Fanless	Yes
Ports & interfaces	2.5G Ethernet (copper) ports quantity	5
	Basic switching RJ-45 Ethernet ports quantity	5
	Basic switching RJ-45 Ethernet ports type	2.5G Ethernet (100/1000/2500)
	Uplink ports quantity	1
Power	Surge protection	Yes
	Surge protection voltage	4 kV
Power over Ethernet (PoE)	Power over Ethernet (PoE)	Yes
	Power over Ethernet (PoE) ports quantity	4
	Power over Ethernet (PoE) power per port	30 W
	Power over Ethernet plus (PoE+) ports quantity	4
	Total Power over Ethernet (PoE) budget	58 W
Technical details	Warranty period	5 year(s)
Vendor information	Brand Name	Ernitec
	Homepage	http://www.ernitec.com
	Warranty	5 Year(s)

Other images

