

2.5Gbps WebSmart Multi Gigabit POE+ Switch, 150W

9-Port Multi Giga incl 8x 2.5G RJ45 PoE+, 1x 10G SFP+ WPOE-2TX801-150

WPOE-2TX801-150

airlive®



100/1000M/2.5G
RJ-45 PoE

Web
Managed

QoS

Multi-Gigabit
Auto-negotiation

Cat.5e cable
suitable

1G/2.5G/10G
SFP+ Uplink

PoE Watchdog
802.3at/af 30W

VLAN

Loop
Protection

Surge/ESD
protection

Overview

2.5Gbps High Speed 802.3af/af PoE & SFP+ 10G Super High speed Web Management

The AirLive Multi-Giga switch, WPOE-2TX801-150, is a WebSmart Managed switch, which supports 8x 2.5G PoE 30W RJ-45 ports and 1x SFP+ ports for delivering up to 10Gbps extra high-speed connection. Each port can auto-adaptively deliver speed at 100M/1G/2.5G on RJ-45 and 1G/2.5G/10G on SFP+ to connected devices. The total PoE power is 120W which can power on several PoE+ devices like Wi-Fi Access Points and IP Cameras. It supports WEB Management function and is easy to manage and maintain. The easy to operate WPOE-2TX801-150 has several functions like VLAN setting for a more secure connection. DSCP priority QoS to have more control of the bandwidth and many more like, IGMP, Port-Base Mirroring, Port Isolation, Bandwidth Control, Security (MAC Address /table /search/static MAC; Storm control and more. With the 2.5G multi-Giga switch, you can connect to a variety of 2.5GbE-enabled devices, such as NAS | NVR | PC | Server, for enjoying faster experience and handle bandwidth-hungry applications. Designed in a slim sized solid housing, it's an affordable, space-saving solution suitable to Home and SMB network applications.

AirLive AirCore Support, use AI to Cloud manage your switch.

(Under development for this model)

AirCore—a proprietary Intelligent Network Management system by AirLive. Use AirCore to save time on remote management of a switch, use features like Auto-recovering, Intelligent Topology and Real-time self-healing. AirCore is Cloud-based with a One-touch configuration, Remote-monitoring and Elastic scaling. It has an Auto-Pilot function for Automated topology discovery and self-healing (Auto-recovering). In case of a failure the system will give an auto-alarm via SMS to mobile or email. Almost all AirLive switches are supported by AirCore.



10/100/1000/2500Mbps 802.3at 30W PoE RJ-45 Port

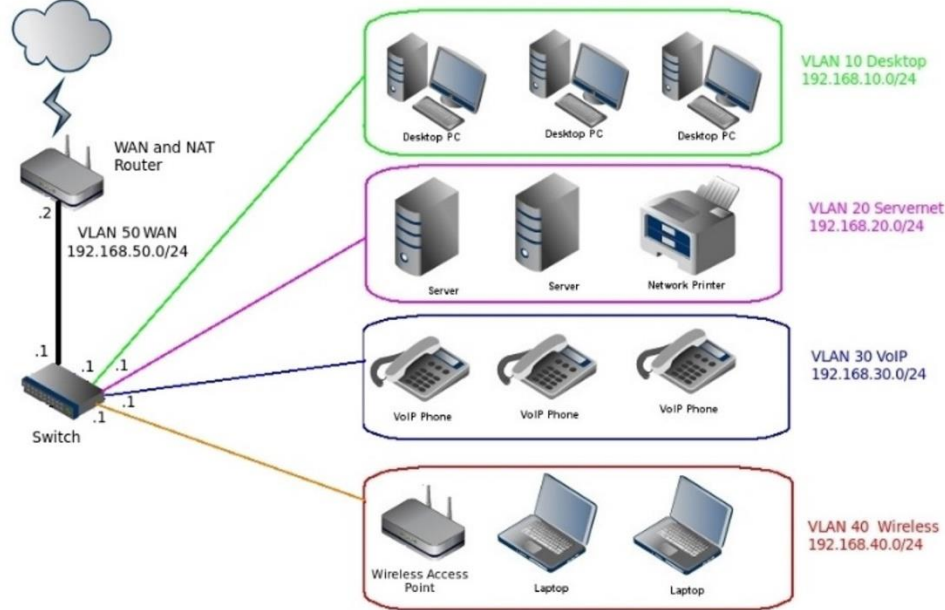
10G SFP+ Port

Features and Specifications

- 8 x 30W PoE 100M/1G/2.5G RJ-45 Port
- 1 x 1G/2.5G/10G SFP+ Port
- Max. 120W PoE Power
- Web Smart Management
- QoS: Port-based/802.1p/DSCP
- VLAN: 802.1q VLAN Enhanced security and performance
- All ports at Multi Gigabit high speed, auto-negotiation
- Providing satisfied bandwidth for various network devices, such as online gaming, multi-media, NAS, Server system
- Super Fast 10Gbps SFP+
- Existing Cat5e cable suitable painless upgrading
- PoE management, PoE Watchdog
- 802.3at/802.3af compliant
- Compact size for Home or SMB Network Connectivity

VLAN for enhanced network security

The VLAN 802.1Q VLAN tagging settings can be used to separate traffic within a business such as isolating resources between network administrators and general users or between employees and public guest users. With the help of VLAN interface, switches can communicate with other network layer devices.

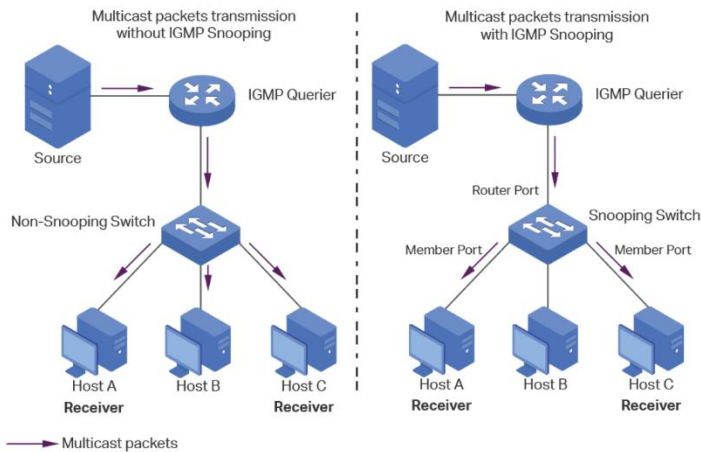


QoS for enhanced traffic control

QoS (Quality of service) is the ability to provide different priority to different applications, users, or video/voice/data flows, or to guarantee a stable level of performance to each data flow. This can be with Port-based Priority or Priority to queue.

IGMP Snooping Multicast

Multicast protocols is compliant with IGMP v1/v2/v3 and supports abundant multicast features such as IGMP v2/v3 snooping and fast leave. By analyzing the IGMP messages received, L2 devices establish a mapping between ports and MAC multicast addresses and forward the multicast data accordingly.



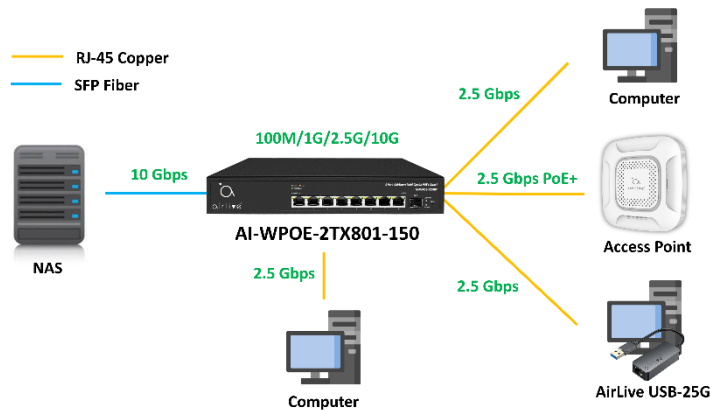
High Video Streaming

Moreover, higher bandwidth improves the playback quality of 4K/8K videos, prevents lag for Gaming, smooths speed when download or upload large data, increases data transfer speed when doing backup to a NAS drive.



Multi Gigabit for Interconnect

With the AirLive WPOE-2TX801-150 2.5Gbps switch, it is possible to connect several high-speed devices together via RJ-45 connections using a normal Cat.5e network cable. Higher bandwidth improves the playback quality of 4K/8K videos, prevents lag for Gaming, smooths speed when download or upload large data, increases data transfer speed when doing backup to a NAS drive. Use the 10G SPF+ as uplink to a larger network with higher speed.



Built for High-Speed connectivity



2.5 Times Faster
2.5GbE is 2.5 times faster than standard Ethernet (1GbE), upgrade network performance to boost productivity.



Works with existing cables
No special cables or connectors are required to take advantage of 2.5GbE. Simply use your existing CAT5e cables as normal with your new 2.5GbE infrastructure.

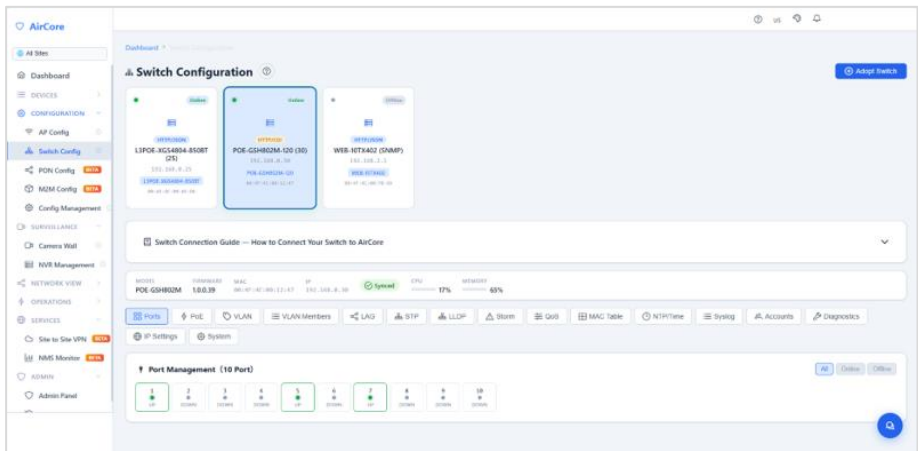
PoE at High Speed and PoE Priority

Airlive Power over Ethernet (PoE) products are suitable for commercial and industrial applications which provide highly reliable power and data transmission in compliance with the 802.3af/at standard and the unique intelligent PoE watchdog control function can meet all the requirements of IP surveillance, IP communications, POS systems, PoE lighting and other applications. Connect several PoE devices to the switch, Access Points or IP cameras can connect to any of the PoE ports on the switch and be powered on up to max 30W (at). With the 2.5G RJ-45 ports and 10G SFP+ Uplink port bandwidth would not be an issue. PoE Priority is supported for the PoE Power from port 1~8, this can be helpful for a IPCAM or high priority preferred device. This function is turned on by default. PoE Watchdog is supported.

AirLive AirCore AI Support (Under development for this model)

A virtual engineer to assist SI/MIS to find where a problem is if any; AirLive built-in AI analysis function helps to analysis and report a problems. Able to expand devices and functions in the future.

An easy to interface to control the different AirLive switches, setup ports, PoE, VLAN, VLAN member, And more all via AirLive AirCore from a remote location
The software is designed by AirLive. AirLive provides AirCore as a Free charge commercial service & management facility for Distributor and SI. AirCore also supports the AirLive Wireless products, IP Camera's and Telecom Solutions.



Model	AirLive WPOE-2TX801-150
Hardware • Device Interface: 8 x 100M/1G/2.5G/ PoE 30W RJ-45 Ports 1 x 1G/2.5G/10G SFP+ 9-port totally Auto MDI/MDIX • Standard IEEE 802.3: Ethernet MAC Protocol IEEE802.3u 100Base-TX IEEE802.3ab Gigabit 1000Base-T IEEE802.3bz 2.5GBase-T IEEE 802.3z 1000BASE-X Gigabit Ethernet (optical fiber) IEEE802.3cb 2.5G and 5G Operation over Backplane IEEE 802.3ae 10G Ethernet (optical fiber) IEEE802.3x Flow Control and Back Pressure IEEE 802.3az: Energy Efficient Ethernet IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol) IEEE 802.1p: VLAN Tag LAN Layer QoS/CoS Protocol Traffic Prioritization (Multicast filtering function) IEEE 802.1Q VLAN tagging IEEE 802.3af 15.4W, IEEE 802.3at 30W • Lightning Surge Protection: Lightning protection: 6KV, Air discharge: 8KV, Surge: Common mode 6KV, Differential mode 2KV, Power supply: Common mode 6KV, Differential mode 2KV • LED Indicators: PWR (power supply) Green LED, Link/Act Green LED, Port 1~8: Green & Yellow LED ON: 2.5G Link normal, Yellow LED ON: 1G Link normal, Port 9 Link/Act Green LED ON: Link normal. • Mechanical: Solid Metal Housing Rack-mountable Power • Power Input: AC100~240VAC • Total Switch Power: 150W • Power Consumption Switch: Maximum 30W Power and PoE • Protocol: IEEE802.3at (30W), IEEE802.3af (15.4W) • PoE Power Output / PoE Port 1~8: Max. 30W • PoE Power Output / PoE switch: Max. 120W • PoE Software Function: PoE Watchdog, PoE Enable/Disable, PoE show Power/Voltage/Current Level Switch Architecture Performance • Switching architecture: Store and Forward Switching Bandwidth: 60Gbps Packet Forwarding Rate: 44.64Mpps Packet Buffer: 8Mbit MAC Address: 4K VLAN: Supports up to 128 VLANs (out of 4K VLAN IDs) Jumbo Frame: 10K Transfer mode: Store and Forward MTBF:100000 hour	Web Management Software Function L2 • Port Setting: Port Switch Configuration, Port Speed Configuration, Port Duplex Configuration, Port Flow Control Configuration, Jumbo Frame • Link Aggregation: Support Supports static link aggregation, Support LACP • Port Mirroring: Supported • Loopback Prevention: Supported • Port Security: MAC Address Constraints, Storm Control • Port Isolation: Supported • Port Rate-limit: Supported • VLAN: MTU/Port/802.1Q VLAN, port-based, tag-based and MTU VLAN, Supports up to 128 VLANs (out of 4K VLAN IDs) • MAC Address: MAC Address Search, Static MAC Address • Multicast: IGMP Snooping Supported • QoS: Support Port-based/802.1p/DSCP priority, Support 4 priority queues, Rate Limit, Storm Control • Services: Access Protocol: HTTP • Diagnostics: Port Statistics: Supported, Cable Statistics: Supported

* Specification will be changed without prior notice

* All trademarks, logos and brand names are the property of their respective owners.

AirLive

Model	AirLive WPOE-2TX801-150
Management • Manager Access: HTTP • Manager IP: Static Address, DHCP Client • User Management: Supported • Firmware Management: Firmware Upgrade • Configuration Management: Upload/Backup Configuration • Save, Restart • Factory Defaults Transmission Distance 100Base-TX: Cat5, 5e UTP(100 meter) 1000Base-TX: Cat5e, 6l UTP(100 meter) 1G/2.5Base-TX: Cat5e, 6 UTP(100 meter) • Fiber Medium: 1000BASE-SX: 62.5μm MMF (Multimode optical fiber) (Minimum range: 2m~275m) or 50μm MMF 1000BASE-LX: 62.5μm/50μm MMF (Minimum range: 2m~550m) or 10μm SMF (Minimum range: 2m~5km) 2500BASE-X: G.652D SMF (Single-mode optical fiber) (Minimum range: 2m~500m or 2m~5Km) 10GBASE-SR: OM1/OM2/OM3 or above MMF (Operating range: 2m~300m) 10GBASE-LR: IEC and B1.1 and B1.3 SMF (Minimum range: 2m~10km)	Environment • Operating Temperature: 0°C to +45°C • Storage Temperature: -40°C to +70°C • Working Humidity: 10%~90%, non-condensing • Storage Humidity: 5%~95%, non-condensing Standard package of switch • Product size: 27.0 x 18.1 x 4.45 cm(L*W*H) • Package size: 34.5 x 26.2 x 8.7 cm(L*W*H) • Package Weight: N.W: 1.286kg; G.W: 1.820kg • Package content: 1 x Switch, 1 x Power cord, 1x Rack ear, 1 x QIG. Standard carton package • Quantity: 10pcs / 1 carton • Dimensions 50.0 x 33.4 x 27.0 cm (L*W*H) • Weight 19kg (G.W) Ordering Information • Model: WPOE-2TX801-150 • Name: 9-port 2.5Gbps Multi Gigabit PoE Switch, incl 8 x PoE 2.5G RJ45 and 1x 10G SFP+, Plug and Play.

* Specification will be changed without prior notice

* All trademarks, logos and brand names are the property of their respective owners.

AirLive