2.5Gbps Base-T WebSmart Multi Gigabit Switch
26-Port Multi Giga incl 24x 2.5G RJ45, 2 x SFP+ 10G
WEB-2TX2402

airlive®

24-port 100/1000M/2.5G	Web Managed	QoS	Multi-Gigabit Auto-negotiation	Cat.5e cable suitable
2x 10G SFP+ Uplink	Bandwidth Control	VLAN	Loop Protection	Surge/ESD protection

Overview

Painless Upgrading your Network Connection to 2.5Gbps & SFP+ 10G Super High speed Web Management Switch

The AirLive Multi-Giga switch, WEB-2TX2402, is a Web Managed switch, which supports 24 RJ45 and 2 SFP+ ports for delivering up to 2.5Gbps extra high-speed connection on RJ-45 and 10G SFP+ on fiber optic. Supports WEB Management function and is easy to manage and maintain. The easy to operate WEB-2TX2402 has several functions like VLAN setting for a more secure connection. QoS to have more control of the bandwidth and many more like, IGMP, Loop Prevention, 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 | Laptop, 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.
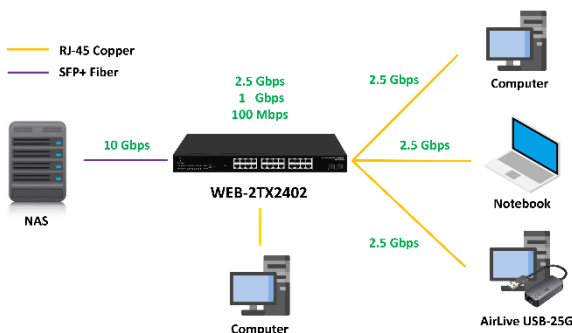
10/100/1000/2500Mbps RJ-45 Port

1/2.5/10G SFP+ Port

Features and Specifications

AirLive WEB-2TX2402 2.5Gbps Switch with SFP+ 10G
- 24 x 10/100/1000/2500Mbps RJ45
- 2x 10G SFP+
- Web Smart Management
- QoS; Priority management
- VLAN: enhanced security and performance
- Loopback Detection
- 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 2.5Gbps RJ-45 and 10Gbps SFP+ Networking
- Existing Cat5e cable suitable, painless upgrading
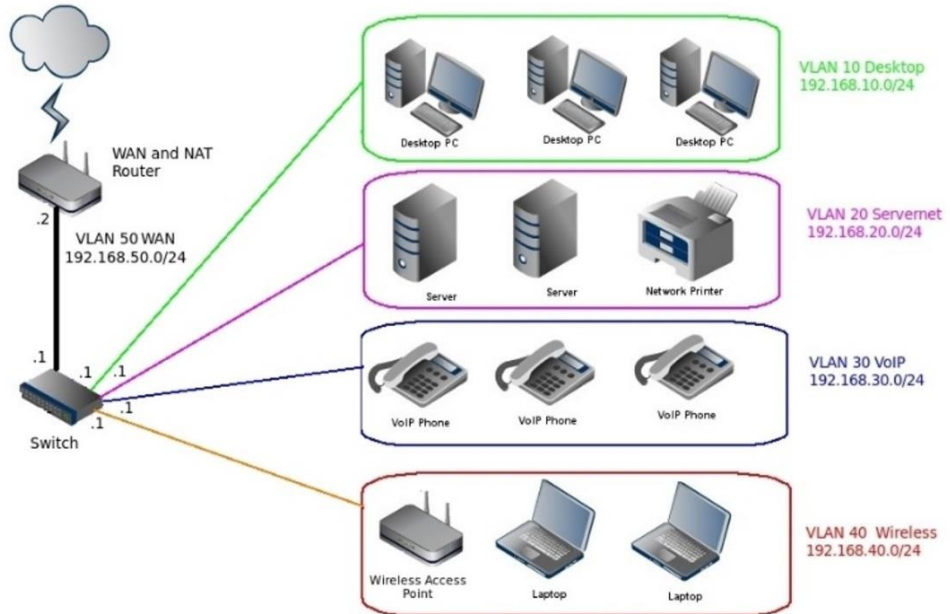- Compact size for Home or SMB Network Connectivity

Multi Gigabit for Interconnect

With the AirLive WEB-2TX2402 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

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.
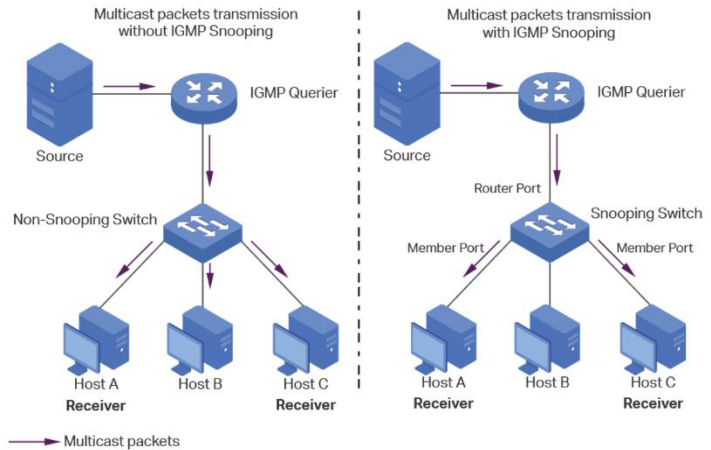

QoS for enhanced traffic control

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 IGMPv1/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.

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

Video Streaming
Higher bandwidth improves the playback quality of 4K/8K videos.

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.

Gaming
No lag when you are Gaming.

Specification

Model	AirLive WEB-2TX2402

Hardware

- **Device Interface:**
  24 x 10/100/1000/2500 RJ45
  2x 1.25G/2.5/10G SFP+
  26-port totally Auto MDI/MDIX
- **Standard**
  IEEE802.3u 100Base-TX
  IEEE802.3ab Gigabit 1000Base-T
  IEEE802.3bz 2.5GBase-T
  IEEE 802.3z 1000BASE-X Gigabit Ethernet (optical fiber)
  IEEE 802.3ae 10G Ethernet (optical fiber)
  IEEE802.3x Flow Control and Back Pressure
  IEEE 802.3ad port trunk with LACP
  IEEE 802.1D Spanning Tree Protocol
  IEEE 802.1w Rapid Spanning Tree Protocol
  IEEE 802.1p Class of Service
  IEEE 802.1Q VLAN tagging
  IEEE 802.3az (Efficient and Energy saving Ethernet)
- **Industry standard compliant**
  EMS: EN61000-4-2 (ESD), IEN61000-4-5 (Surge)
- **Lightning Surge / ESD Protection**:
  Support Surge Protection: Common Mode 6KV,
  Differential Mode 2KV(Class C), Electrostatic ESD 8KV Air,
  6KV Contact(Class C)
- **LED Indicators**:
  PWR (power supply), Link/Act (Indicator), RJ45 2.5G
  (Indicator), SFP+ 10G (Indicator)
- **Mechanical**
  Solid Metal Housing, Desktop

Switch Architecture | Performance

- **Switching architecture: Store and Forward**
  Switch Capacity: Back-plan up to 160Gbps
  Packet Forwarding Rate; 119.04Mpps
  Packet Cache: 12Mbit
  MAC Address: 16K
  VLAN: VLAN range 1-4094, with a maximum active VLAN of 31
  Transfer mode: Store and Forward
  MTBF:100000 hour

Web Management Software Function L2

- **Port Setting:**
  Port Switch Configuration, Port Description
  Configuration, Port Duplex Configuration, Port Flow
  Control Configuration, Jumbo Frame up to 16356bytes,
  EEE
- **Link Aggregation:**
  Support load sharing strategy based on MAC and IP-
  MAC addresses, Static and dynamic aggregation groups,
  Support LACP, Max. 8 members per group
- **Storm Control:**
  Broadcast, Unknown Multicast, Unknown Unicast

- **Port Mirroring:**
  One to one monitor, Many to one monitor,
  Ingress/Egress/Both, Up to 4 session groups
- **Port Security:**
  MAC Address Constraints, Protect/Restrict/Shutdown
- **Port Isolation:**
  Supported
- **Port Rate-limit:**
  Bandwidth Control
- **VLAN:**
  Access/Trunk/Hybrid, VLAN Tunnel (Q-in-Q Tunnel),
  VLAN range 1-4094, maximum active VLAN is 31
- **MAC Address:**
  Static MAC address, MAC Address Filtering
- **Spanning Tree Protocol:**
  STP/RSTP, BPDU Filter, BPDU Guard, Edge Port
- **ERPS:**
  Supported
- **Multicast:**
  IGMP Snooping, IGMP V1/V2/V3, Router Port, Static
  Multicast
- **QoS:**
  Traffic classification based, Strict priority and WRR, Port
  Priority, 802.1P Priority, IP DSCP Priority, Supports up to
  8 queues per port, Priority Remark
- **Loopback Detection:** Supported
- **Services:** Supported
- **Security:** Supported
- **DHCP Snooping:**
  Supported
- **Diagnostics:**
  Supported
- **Ping:**
  Supported
- **Electrical Port Test:**
  Supported

Management

- **Manager Access:**
  HTTP, SNMP
- **Manager IP:**
  Static Address, DHCP Client, Manager VLAN, DNS
- **SNMP:**
  V1/V2C, Community Name, Trap host
- **SNMP MIB:**
  RFC 1213 MIB-II, RFC 1643 Ethernet MIB, RFC 2863
  Interface MIB
- **User**
- **Firmware:**
  Firmware Upgradable
- **Configuration:**
  Upload and Download
- **Save, Restart, Factory Defaults**

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Specification

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Model	AirLive WEB-2TX2402

- **Transmission Distance**
  10Base-T: Cat3,4,5 UTP(≤100 meter)
  100Base-TX: Cat5 or later UTP(100 meter)
  1000Base-TX: Cat5e or later UTP(100 meter)
  2500Base-TX: Cat5e or later 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)

Power
- **Power Input:** AC 100~240V
- **Power Usages Max**: 36W

Environment
- **Operating Temperature:** 0°C to +40°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:**
  44.0 x 20.5 x 4.4 cm(L*W*H)
- **Package size:**
  50.0 x 29.0 x 8.5 cm(L*W*H)
- **Package Weight:**
  N.W: 2.61Kgs; G.W: 3.12Kgs
- **Package content**:
  1 x Switch, 1 x Power cord, 1 x QIG.

Standard carton package
- **Quantity:** 5pcs / 1 carton
- **Dimensions**
  52.0 x 44.5 x 31.0cm (L*W*H)
- **Weight**
  16.6Kgs (G.W)

Ordering Information
- **Model:**
  WEB-2TX2402
- **Name:**
  26-port 2.5Gbps WebSmart Multi Gigabit Switch, incl. 24
  x 2.5G RJ45 and 2x SFP+ 10G, Plug and Play, Auto-
  Negotiation
- **Related product**
  AirLive USB-25G USB3.1/3.0 to 2.5Gbps Base-T adapter

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