# 2.5Gbps Base-T WebSmart Multi Gigabit Switch
# 6-Port Multi Giga incl 5 x 2.5G RJ45, 1 x SFP+ 10G
## WEB-2TX501

**airlive®**

| | | | | |
|---|---|---|---|---|
| 5-port 100/1000M/2.5G | Web Managed | QoS | Multi-Gigabit Auto-negotiation | Cat.5e cable suitable |
| 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-2TX501 is a Web Managed switch, which supports 5 RJ45 and 1 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-2TX501 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.

## Features and Specifications

AirLive WEB-2TX501 2.5Gbps Switch with SFP+ 10G
- 5x 10/100/1000/2500Mbps RJ45
- 1x 10G SFP+
- Web Smart Management
- QoS; Priority management
- VLAN: enhanced security and performance
- Loop protection
- 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
- Existing Cat5e cable suitable, painless upgrading
- Compact size for Home or SMB Network Connectivity

10/100/1000/2500 RJ-45 Port       10G SFP+ Port

### VLAN for enhanced network security

The VLAN 802.1Q 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.

### 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.

### Extensive configuration options

The Airlive WEB-2TX501 comes with many configurations' options including, IGMP, Trunk Group, Loop Prevention, Port Mirroring, Jumbo Frame, Green Ethernet and more.
For the Security settings, there is Storm Control and Static MAC, also the Port Statistics can be monitored.

**2.5x**

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

**Cat 5e**

**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.

# Specification

| Model | AirLive WEB-2TX501 |
|---|---|

## Hardware

- **Device Interface:**
  5x 10/100/1000/2500 RJ45
  1x 1.25G/2.5/10G SFP+
  6-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
  IEEE802.3d Spanning Tree Protocol
  IEEE802.3w Rapid Spanning Tree Protocol
  IEEE802.3q VLAN tagging
- **Industry standard compliant**
  EMS: EN61000-4-2 (ESD), IEN61000-4-5 (Surge)
- **Lightning Surge / ESD Protection**:
  Support Port Surge Protection: Common Mode 6KV,
  Differential Mode 2KV; ESD Air 8KV, Contact 6KV.
- **LED Indicators**:
  PWR (power supply), Link/Act (Indicator), 2.5G (Indicator).
- **Mechanical**
  Solid Metal Housing, Desktop

## Switch Architecture | Performance

- **Switching architecture: Store and Forward**
  Switch Capacity: Bandwidth 45Gbps
  Packet Forwarding Rate; 33.48Mpps
  MAC Address: 4K
  VLAN: VLAN range 1-4094, with a maximum active VLAN of 31
  Jumbo Frame: 16356bytes
  Transfer mode: Store and Forward
  MTBF:100000 hour

## Web Management Software Function L2

- **System:**
  System Information, IP Address Setting, User Account Setting.
- **Port Setting:**
  Port Switch Configuration, Port Speed Configuration, Port Duplex Configuration, Port Flow Control Configuration, Jumbo Frame up to 16356bytes, EEE
- **Link Aggregation:**
  Static Group, Up to 2 groups, Max. 4 members per group
- **Storm Control:**
  Broadcast, Unknown Multicast, Unknown Unicast Priority selection, DSCP remapping, Priority to queue, Port-based Priority, Queue Weight
- **Port Mirroring**
  Supported

- **Port Security:**
  MAC Address Constraints
- **Port Isolation**
  Supported
- **Port Rate-limit:**
  Bandwidth Control
- **Loopback Detection:**
  Loop Protocol, STP global, STP port
- **VLAN:**
  Access/Trunk/Hybrid, Configurable VID from 1 - 4094; Max. 31 static VLAN groups
- **MAC Address:**
  Dynamic Address, Static Address
- **Spanning Tree Protocol:**
  STP/RSTP, Edge Port
- **Multicast:**
  IGMP Snooping, IGMP V1/V2, Router Port, Static IGMP Join
- **Trunk Group Setting:**
  Static, LACP
- **QoS:**
  Traffic classification based, Strict priority and WRR, Port Priority, Supports up to 8 queues per port

## Services

- **Access Protocol:**
  HTTP
- **Diagnostics:**
  Traffic classification based, Strict priority and WRR, Port Priority, Supports up to 8 queues per port

## Management

- **Manager Access:**
  HTTP
- **Manager IP:**
  Static Address, DHCP Client
- **User**
- **Firmware:**
  Firmware Upgradable
- **Configuration:**
  Upload and Download
- **Save**
- **Restart**
- **Factory Defaults**

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# Specification

| Model | AirLive WEB-2TX501 |
|---|---|

- **Transmission Distance**
  10Base-T:  Cat3,  4,  5 or above UTP/STP(≤100m)
  100Base-TX:  Cat5 or above UTP/STP(≤100m)
  1000Base-TX:  Cat5 or above UTP/STP(≤100m)
  2.5GBase-T:  Cat5e or above UTP/STP(≤100m)
- **Fiber Medium:**
  1000BASE-SX: 62.5μm MMF (multi mode)
  (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)
  (Minimum range: 2m～500m or 2m～5Km)
  10GBASE-SR: OM1/OM2/OM3 or above MMF
  (Operating range: 2m～300m)
  10GBASE-LR: IEC B1.1 and B1.3 SMF
  (Minimum range: 2m～10km)

## Power
- **Power Input:** DC 12V/1A Power Adapter
- **Power Usages Max**: 8.24W

## Environment
- **Operating Temperature:** 0°C to +50°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:**
  14.0 x 9.3 x  2.8 cm(L*W*H)
- **Package size:**
  20.3 x 16.0 x 5.5 cm(L*W*H)
- **Package Weight:**
  N.W: 0.33Kgs; G.W: 0.46Kgs
- **Package content**:
  1 x Switch, 1 x Power Adapter

## Standard carton package
- **Quantity:** 40 pcs / 1 carton
- **Dimensions**
  58.0 x 33.5 x 44.5cm (L*W*H)
- **Weight**
  19.5Kgs (G.W)

## Ordering Information
- **Model:**
  WEB-2TX501
- **Name:**
  6-port 2.5Gbps WebSmart Multi Gigabit Switch, incl. 5 x
  2.5G RJ45 and 1x SFP+ 10G, Plug and Play, Auto-
  Negotiation
- **Related product**
  AirLive USB-25G USB3.1/3.0 to 2.5Gbps Base-T adapter

*\* Specification will be changed without prior notice*
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