

10Gbps Fiber WebSmart Multi Gigabit Switch

12-Port Multi Giga 12 x 10G/2.5G/1G SFP/SFP+

WEB-10XGF12

airlive®



2.5G/10G or 1G/10G
Auto-adaptive

Web
Managed

QoS

Multi-Gigabit
Auto-negotiation

Surge
protection

All Ports up to
10G, SFP+

Bandwidth
Control

VLAN

Loop
Protection

Overview

Painless Upgrading your Network Connection to 10G Super High speed Web Management Switch

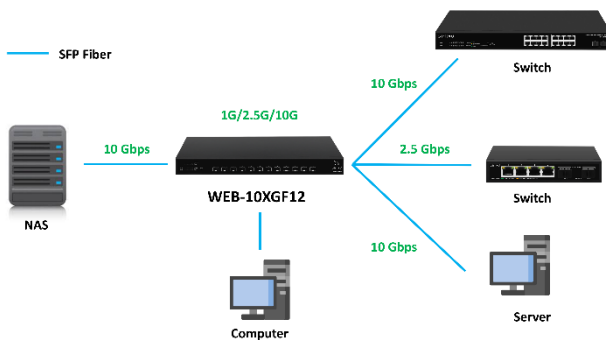
The AirLive Multi-Giga switch, WEB-10XGF12, is a Web Managed switch, which supports 12 SFP+ ports for delivering up to 10Gbps extra high-speed connection on fiber optic. Each port can support 1G/10G or 2.5G/10G to connect devices (depending on the SFP module used (not included)). Supports WEB Management function and is easy to manage and maintain. The easy to operate WEB-10XGF12 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 10G Multi-Giga switch, you can connect to a variety of 10Gb-enabled devices, such as SWITCH | 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 SMB and Home network applications.



Features and Specifications

1G/2.5G/10G SFP+ Port

- 12 x 1G/10G or 2.5G/10G SFP/SFP+ ports
- Web Smart Management
- QoS: Priority Management
- VLAN: enhanced security and performance
- All ports at Multi Gigabit high speed, auto-negotiation
- Providing satisfied bandwidth for various network devices, such as Backbone for switch network, Multi-media, NAS, Server system
- Super Fast 10Gbps SFP+
- Compact size for SMB and Home Network Connectivity

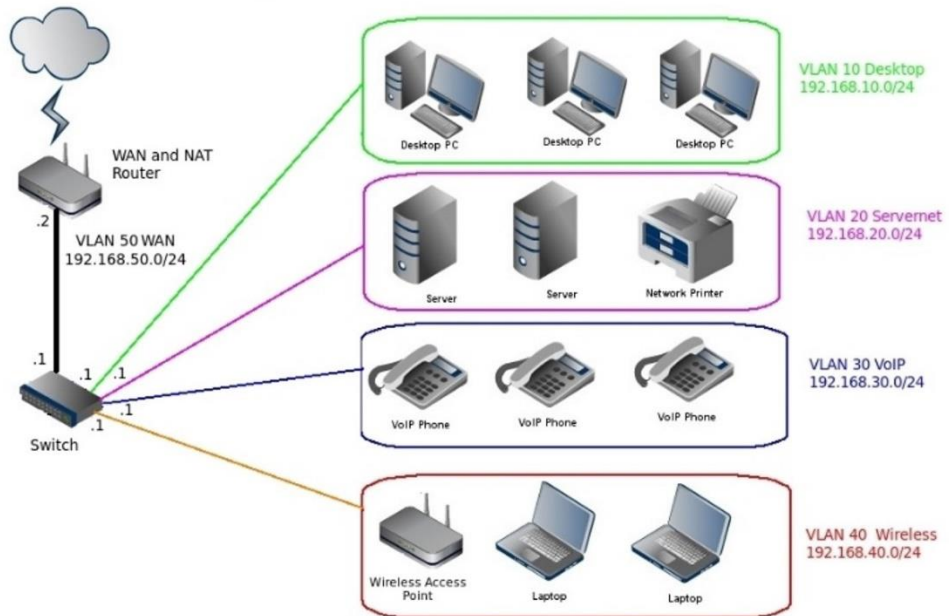


1G/2.5G/10G SFP+ Multi Gigabit perfect for various applications

With the AirLive 10G Multi-Giga switch WEB-10XGF12, you can connect to a variety of 10Gb enabled devices, such as NAS | NVR | PC | Server, the SFP+ ports can work at 1G/10G or 2.5G/10G depending on the module used (module not included), for enjoying faster experience and handle bandwidth-hungry applications.

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.

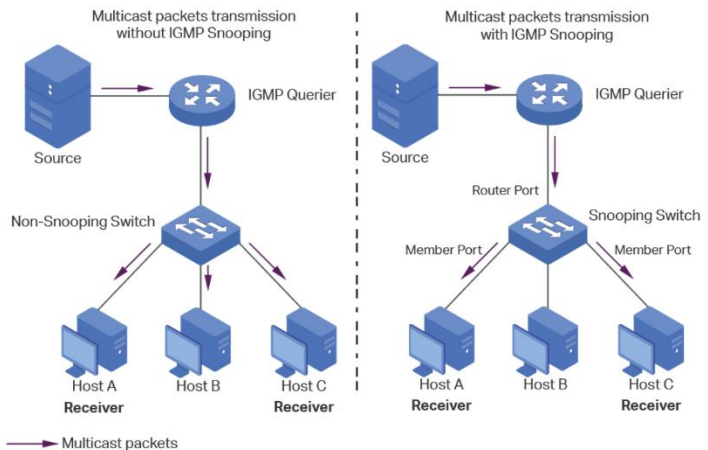


QoS for enhanced traffic control

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.



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.



Model	AirLive WEB-10XGF12
<p>Hardware</p> <ul style="list-style-type: none"> • Device Interface: 12 x 1G/10G or 2.5G/10G SFP/SFP+ (depends on setting) 12-port totally Auto MDI/MDIX • Standard IEEE802.3 Ethernet Media Access Control (MAC) Protocol IEEE802.3bz 2.5G/5G Ethernet standard 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) • Surge Protection: Support Electrostatic ESD: Air 8KV, Contact 6KV (Class B) • LED Indicators: PWR (power supply), SYS (System), 10G LED, Link/ACT LED • Mechanical Solid Metal Housing, Desktop <p>Switch Architecture Performance</p> <ul style="list-style-type: none"> • Switching architecture: Store and Forward Switch Capacity: Back-plan up to 240Gbps Packet Forwarding Rate; 178.56Mpps Packet Buffer: 12Mbit MAC Address: 32K VLAN: VLAN range 1-4094, with a maximum active VLAN of 4K Jumbo Frame: 10K Transfer mode: Store and Forward MTBF:100000 hour <p>Web Management Software Function L2</p> <ul style="list-style-type: none"> • Port Setting: Port Switch Configuration, Port Description Configuration, Port Speed configuration, Port Duplex Configuration, Port Flow Control Configuration, Jumbo Frame • Link Aggregation: Support load balance policy based on MAC and IP-MAC Static and Dynamic Group, Support LACP up to 8 groups • Storm Control: Broadcast suppression, 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 	<ul style="list-style-type: none"> • Port Isolation: Supported • Port Rate-limit: Supported • VLAN: Access/Trunk/Hybrid, VLAN Tunnel (Q-in-Q Tunnel), VLAN range 1-4094, maximum active VLAN is 4K • MAC Address: Filtering MAC Address, Static MAC address, • LLDP: Support LLDP, LLDP MED • Spanning Tree Protocol: STP/RSTP, BPDU Filter, BPDU Guard, Edge Port • Multicast: IGMP Snooping, Router Port, Static IGMP Join, IGMP V1/V2/V3 • QoS: Traffic classification, Supporting SP and WRR scheduling, Port Priority, 802.1P Priority, IP DSCP Priority, Priority Remark, Supports up to 8 queues per port • ERPS: Support Main Ring • Access Protocol: HTTP, Session Timeout • Security: DHCP Snooping • Diagnostics: Supported • Ping: Supported <p>Management</p> <ul style="list-style-type: none"> • Manager Access: HTTP, SNMP • Manager IP: Static Address, Manager VLAN, DNS, DHCP Client • SNMP: V1/V2C, Community Name, Trap host • SNMP MIB: RFC 1213 MIB-II, RFC 1643 Ethernet MIB, RFC 2863 Interface MIB • User Management: Supported • Firmware Management: Firmware Upgrade • Configuration Management: Upload/Backup Configuration • Save, Restart • Factory Defaults

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Model	AirLive WEB-10XGF12
<ul style="list-style-type: none">• 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) <p>Power</p> <ul style="list-style-type: none">• Power Input: AC 100~240V 50/60HZ (Internal DC 12V/8A)• Power Usages Max: 29.6W <p>Environment</p> <ul style="list-style-type: none">• 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 <p>Standard package of switch</p> <ul style="list-style-type: none">• 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: 2.5kg; G.W: 3.12kg• Package content: 1 x Switch, 1 x Power cord, 1 x QIG. <p>Standard carton package</p> <ul style="list-style-type: none">• Quantity: 5pcs / 1 carton• Dimensions 52.0 x 44.5 x 31.0cm (L*W*H)• Weight 16.6kg (G.W) <p>Ordering Information</p> <ul style="list-style-type: none">• Model: WEB-10XGF12• Name: 12-port 10Gbps WebSmart Multi Gigabit Switch, incl. 12 x 10G SFP+ ports, Plug and Play, Auto-Negotiation	

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