S6110X Series

8-port Unmanaged 2.5G Switch w/ 2*10G SFP+

Overview

The S6110X Series is a 2.5G multi-gigabit switch with eight 2.5G PoE+ ports and two 10G uplink ports,Each PoE+ port can supply up to 30W power to PoE-enabled devices with up to total 105W power budget per switch. It offers powerful and reliable network connectivity providing sufficient bandwidth and speed demanding applications such as big data transferring, backup, video conferencing, IP surveillance, and Wi-Fi access points.Comes with fanless design and compact and durable metal casing,make it ideal for smart home or E-sports room environments where is noise sensitivity. DIP VLAN function meet the demand of broadcast limitation and reliable business networking.

Model Select

S6110X

- 8* 10/100/1000M/2.5G Base-T RJ45 port
- 2* SFP/10G SFP+ port
- Switching capacity: 80Gbps
- DIP Switch: VLAN/Default mode

S6110X-P-105W

- 8* 10/100/1000M/2.5G Base-T RJ45 port
- 2* SFP/10G SFP+ port
- Switching capacity: 80Gbps
- 1~8 port support PoE (IEEE 802.3af/at)
- PoE budget: 105W
- DIP Switch: VLAN/Default mode

Features

Enjoy ultra-fast network speed with 2.5G

The S6110X series are equipped with multi-gig ports supported up to 2.5G and can easily be connected to the latest 2.5G–capable network devices including WiFi 6/6E APs, 5G CPE, 2.5G storage, 4K/8K TV, PC with 2.5G NIC and gaming consoles.

Extra 10G Port to Streamline Large File Transfers

The indepent 2x 10-Gigabit SFP+ port increases the network speed for quicker uploads and downloads through a NAS and server, allowing content creators or self-media individuals to work more efficiently. Large files, such as high-resolution videos or images, can be transferred in significantly less time, saving valuable production hours.

2.5G Super-Fast Speeds Without Re-cabling

You can use your current Cat 5e cables to upgrade your home networking speed from 1Gbps to 2.5Gbps, eliminating the need of any costly re-cabling.

PoE/PoE+ inside

Compliant with the IEEE 802.3at PoE+ and IEEE 802.3af PoE standards. Offers 4-port 30-watt and 8-port 15-watt Gigabit PoE capabilities. Can supply a total power budget of 105 watts to meet the demands of high-powered devices (PDs) and supports intelligent PoE management functions.

Optimize Network Performance with VLAN function

Virtual Networks (VLAN) allows groups of devices from different networks to be combined into a single network.limite broadcast zone,improve networks performance

Robust 6KV surge protection design

Supports 6KV surge protection (common mode) for ports and the power supply, reducing the risk of Induced lightning damage and ensuring stable operation even under harsh environment.

Typical Application

- Smart home
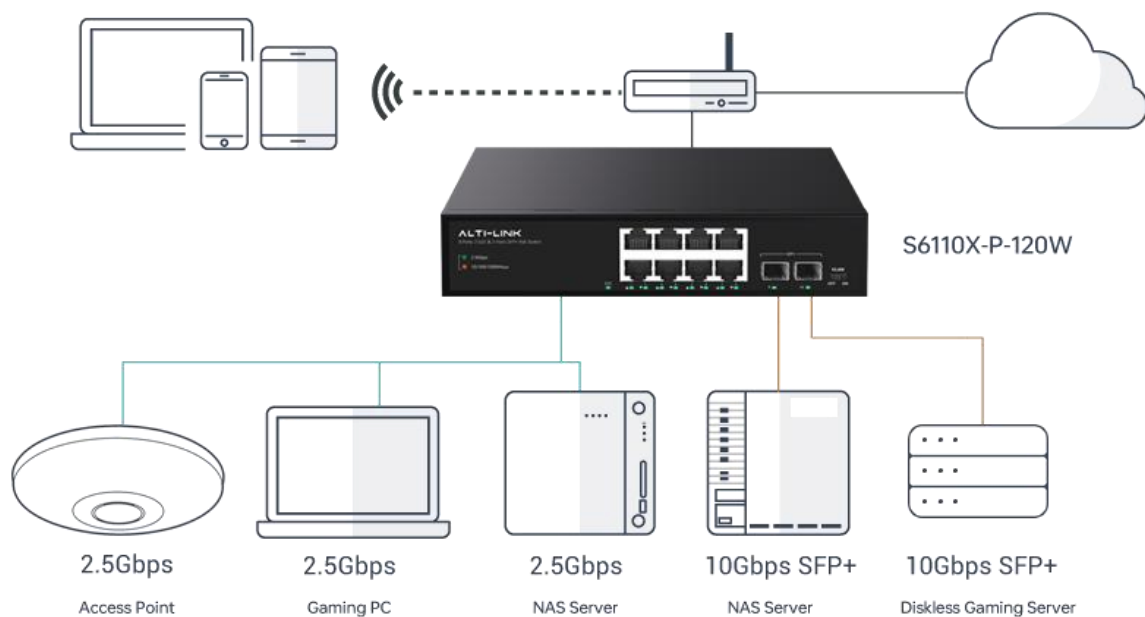- Villa & Resort house
- E-sport room
- Photoshop studio
- Cafe-bar

Table-1　Rates supported by twisted pair cables

Cable type	1 Gbps	2.5 Gbps	5 Gbps	10 Gbps
Cat5e UTP	Supported	Supported	/	/
Cat5e STP	Supported	Supported	Supported	/
Cat6 UTP	Supported	Supported	/	-
Cat6 STP	Supported	Supported	Supported	-
Cat6a UTP	Supported	Supported	Supported	-
Cat6a STP	Supported	Supported	Supported	Supported
Cat7	Supported	Supported	Supported	Supported

Specification

Model	S6110X-P-105W	S6110X
Copper port	8x 2.5GbE RJ45 port (PoE)	8x 2.5GbE RJ45 port
Fiber port	2x 10GbE SFP+ ports	2x 10GbE SFP+ ports
Chipset	MxL86282C+RTL8238B	MxL86282C
Flash:	16MB	
DIP Switch	VLAN On/Off (Ports 1-8 are isolated from each other and can communicate with ports 9-10)	
PoE Ports	Port# 1~ 8 (IEEE802.3at, IEEE802.3af)	/
PoE Budget	105W	/
PoE pin-assign	Alternative A (Pin 1,2/3,6) for IEEE802.3af, IEEE892.3at	
MAC address Table	16K	
Packet buffer size	8Mbit	
Switching capacity	80Gbps	
Forwarding rate	59.5Mpps	
Jumbo Frame	10KB	
Data Transfer Rate	Ethernet:10 Mbps (half duplex),20 Mbps (full duplex) Fast Ethernet:100 Mbps (half duplex),200 Mbps (full duplex) Giga Ethernet:2000 Mbps (full duplex) 2.5Gigabit Ethernet:5 Gbps (full duplex)	
Power Supply	Input: AC:100-240V,50~60Hz Output: DC 54V=2.2A	Input: AC:100-240V,50~60Hz Output: DC 12V=2A
Power consumption	Max: <140W	Max:<12W
Dimension	200 x 118 x 440 mm	
Cooling System	Fan-less	
Surge Protection	6KV on copper port	
ESD	8KV(Air), 4KV(Contact)	
Temperature	Operating temperature: 0 ~ 40℃ Storage temperature : -40 ~ 70℃	
Humidity	Operating: 10% ~ 90% RH (non-condensing) Storage: 5% ~ 90% RH (non-condensing)	
MTBF	Over 10 Years	

Ordering Information

Ethernet Switch	
S6110X	Unmanaged 8-port 2.5G Ethernet switch 8* 10/100/1000M/2.5G Base-T RJ45 port and 2* SFP/10G SFP+ port, 1* Fixed AC: 100~240V
S61110X-P-105W	Unmanaged 8-port 2.5G Ethernet PoE switch 8* 10/100/1000M/2.5G Base-T RJ45 port and 2* SFP/10G SFP+ port, IEEE 802.3af/at, PoE budget: 105W, 1* Fixed AC: 100~240V
Optic Fiber Module	
SFP+-M-LC-R3	10G SFP+ modules.multi-mode, 300M, 850nm, LC