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SAX3000
EasyMesh WiFi 6
Router

CHIMA SAX3000 EasyMesh WiFi 6 Router Owner's Manual

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CHIMA SAX3000 EasyMesh WiFi 6 Router

Product Specifications:

- **Model:** SAX3000 EasyMesh WiFi 6 Router
- **Wi-Fi Standard:** Wi-Fi 6 (802.11ax)
- **Max Wi-Fi Throughput:** 3000Mbps
- **Antennas:** 6x 5dBi directional external antennas
- **Ports:** 1x 2.5G WAN port, 4x 1G LAN ports
- **Dimensions:** 215mm x 160mm x 49mm
- **Processor:** Qualcomm IPQ5018
- **RAM:** 1Gbit DDR3L
- **Flash Memory:** 4GBit

Product Usage Instructions

Initial Setup:

1. Connect the WAN port to your modem using an Ethernet cable.
2. Connect your device to one of the LAN ports using another Ethernet cable or connect wirelessly to the router's default Wi-Fi network.
3. Power on the router and wait for it to boot up.
4. Access the router's web interface by typing the default IP address in your browser.
5. Follow the on-screen instructions to set up your Wi-Fi network name (SSID) and password.

- **Advanced Configuration:**
  To access advanced features such as port forwarding, QoS settings, or VPN configurations, log in to the router's web interface and navigate to the corresponding sections.
- **Troubleshooting:**

If you encounter any connectivity issues, try power cycling the router by unplugging it for 30 seconds and then plugging it back in. You can also refer to the user manual for further troubleshooting steps.

Frequently Asked Questions

Q: How do I update the firmware of the router?

A: To update the firmware, log in to the router's web interface, navigate to the firmware update section, and follow the on-screen instructions to upload the latest firmware file.

Q: Can I change the Wi-Fi channel on this router?

A: Yes, you can change the Wi-Fi channel by accessing the wireless settings section in the router's web interface and selecting a different channel from the available options.

Q: How many devices can connect to the Wi-Fi network simultaneously?

A: The router supports multiple connections, and the exact number of devices that can connect simultaneously depends on factors like network activity and bandwidth usage.

Introduction

SWR1200AC EASYMesh WiFi Router

- The SWR1200AC is a 1200M EASYMesh WiFi Router, it offers 5 Gigabit Ethernet interfaces that deliver 1Gbps over its Ethernet interfaces. Supports dual band WiFi, it delivers 300Mbps over 2.4G and 867Mbps over 5.8G wireless frequency. It also comes with the latest EASYMesh technology, the mesh kit at its max capacity can cover an entire area of 1500 square meters with high-density WiFi signals.
- The SWR1200AC is not only a Mesh WiFi Router, but also a CPE that supports the TR069 protocol. It can be remotely configured and managed with a centralized ACS which makes it ideal for both ISPs and common home WiFi users.

Main Characters

- 1200M AC WiFi Router, delivers 867Mbps at 5G and 300Mbps at 2.4G
- Comes with 5GE Ethernet ports, 1GE WAN and 4GE LAN
- Support EASYMesh, Mesh Controller, and Agent universal
- Features a Mesh agent for Chima Mesh AC ONTs

- Can cover an area of 1500 square meters with the max capacity of agents meshed
- Support Multiple Wan connections [Optional], ideal for ISPs
- Support TR069, manage and configure remotely through ACS.
- Supports IPv4 and IPv6, ideal for both IP type-based networks.
- Support Mesh IEEE802.11 k/v/r, IEEE802.11s protocols

Technical Parameters

1200M Mesh Wi-Fi Router

- IEEE802.11a/n/ac 867Mbps Wi-Fi, 5Ghz
- IEEE802.11b/g/n 300Mbps Wi-Fi, 2.4Ghz
- 5GHz and 2.4GHz dual-band connections
- Can be applied as a Mesh controller or a Mesh agent
- Support Meshing with Chima WiFi 5 supported GPON ONTS
- 2*5dBi directional External antennas for 802.11ac
- 2*5dBi directional External antennas for 802.11n
- 5 Gigabit Ethernet ports, wired speed transmission
- Support 4-IN-4-OUT, Max 1200M Wi-Fi throughput
- Support WDS Wi-Fi bridge
- Support WiFi AP mode and Repeater mode
- WPS one-key protection over your Wi-Fi network
- Support DHCP, Static IP, and PPPoE
- Static IPv4 / Dynamic IPv4, Static IPv6 / Dynamic IPv6
- DHCP Server, DHCP Relay, DHCP Client, Static IP assignation
- Static Routing from source IP to destination IP
- Firewall, NAT, NAPT, UPnP
- DDNS, DMZ Host, port Forwarding
- 64/128 bit WEP, IEEE802.1x, WPA, and WPA2 authentications
- Max 4 SSID broadcasting, Hidden SSID
- Automatically choose the best signal channel
- STA mutual isolation and ACL table based on MAC Accesses
- Wi-Fi Multimedia (WMM), enhanced QOS for multimedia packets

Mesh Parameters

- Can support EasyMesh standards, IEEE802.11 k/v/r , IEEE802.11s Mesh Controller & Agent universal
- Using as a Mesh Controller can mesh up to 6 agents
- Using as a Mesh agent, can mesh with Chima Mesh ONTs
- WiFi coverage up to 1500 square meters
- Mesh Backhaul through WiFi or Ethernet cable

Mesh Kits/Capacity:

- **A.** 1*SWR1200AC Mesh Controller+ max 6*SWR1200AC Agents
- **B.** 1*SDN775x-V3 xPON Mesh Controller + max 6*SWR1200AC agents

Networking Features

- DHCP server/relay
- DHCPV6 server(Stateful/Stateless), IPv6 prefix delegation
- DNS relay / Dynamic DNS
- Static IP routing / RIP
- IGMP Proxy / IGMPv2/IGMPv3
- Support of MLDv1/MLDv2
- Support of UPnP IGD
- Support of VLAN
- WAN ping respond
- Support of SIP ALG
- Support of RTSP ALG

Functions

Firewall Functions

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- IP filter/MAC filter/URL filter/DMZ
- Prevention of ARP and DDoS attacks
- Virtual servers (Port Forwarding)
- Remote Access

VPN functions
IPSec/PPTP/L2TP/PPPoE pass-through

Management

- Telnet Management
- HTTP WEB UI Management
- TR069 ACS management

QoS
IEEE802.1P QOS, DSCP, TOS:

- SP, WRR, SP + WRR dispatching Algorithm
- Source & DST-MAC-based QoS
- VLAN ID, VLAN Priority-based QoS
- Source DST-IP-based QoS

Hardware Parameters & Interfaces

WAN interface	1*10/100/1000Base-Tx WAN port
LAN interfaces	4*10/100/1000Base-Tx GE LAN ports
WiFi antennas	4*5dBi directional external antennas
Buttons and sockets	1*Power Supply Socket 1*PWR On/Off Switch 1*WPS on/off 1*Reset
Power Supply	DC 12V, 1A, with 4.5Kv surge protection
LEDs	Power, WAN, GE1, GE2, GE3, GE4, 2.4G WiFi, 5.8G WiFi, WPS
SOCs	CPU: RTL8197FH Single core 1GHz processor 5.8G WiFi Chipset: RTL8812FR Switch Chipset: RTL8367RB
SDRAM	128MB
Flash Memory	8MB
Hardware NAT	Support
Flow Control	IEEE802.3x flow control Full duplex and half duplex

Specifications

Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab. IEEE 802.3x, IEEE802.1Q, IEEE802.1P, IEEE802.1D, IEEE802.11b/g/n, IEEE802.11ac,IEEE802.11 k/v/r , IEEE802.11s		
Ethernet Cable	10Base-Tx: UTP category 3, 4,5, up to 100m 100Base-Tx: UTP category 5, up to 100m 1000Base-Tx: UTP category 5, 5E, 6, up to 100m		
Temperature & Humidity		Temperature	Humidity
	Operating	0 to 45°C	10% – 90% RH
	Storage	-40 to 70°C	5% – 95% RH

Order Information

Product Picture	Model No.	Description	Certificate
	SWR1200AC	**5GE 1200M Mesh WiFi Router** 2*2 Mu-mimo, 4*5dBi external antennas 1GE WAN + 4GE LAN RTL8197FH 1000Mhz CPU, Realtek Power Consumption: Max 10W	Anatel CE/Rohs

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Documents / Resources

CHIMA SAX3000 EasyMesh WiFi 6 Router [pdf] Owner's Manual
SAX3000 Easy Mesh WiFi 6 Router, SAX3000, Easy Mesh WiFi 6 Router, Mesh WiFi 6 Router, WiFi 6 Router, 6 Router, Router

References

- **Home - Chima Technologies Co.,Limited, an Internet/VoIP/IPTV Triple Play solution provider.**
- **User Manual**