Mu-Mimo
Technology

Mesh Wi-Fi
1200Mbps

ANATEL
PRODUTO HOMOLOGADO

Mesh Agent & Controller	1GE Download 1GE Upload	Single Core 1GHz CPU	Multi-WAN Route/Bridge	TR069 IPv6

V1.1.6

SWR1200AC Mesh WiFi Router

The SWR1200AC is a 1200M Mesh WiFi Router, it offers 5 Gigabit Ethernet interfaces that delivers 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 Mesh 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 TR069 protocol. It can be remotely configured and managed with a centralized ACS that 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 Mesh, 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.

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

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

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

Specification Table

Protocols	IEEE 802.3,IEEE 802.3u, IEEE802.3ab. IEEE 802.3x, IEEE802.1Q, IEEE802.1P, IEEE802.1D, IEEE802.11b/g/n, IEEE802.11ac		
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℃	10% - 90% RH
	Storage	-40 to 70℃	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 Power Consumption: Max 10W	Anatel CE/Rohs