

Mu-Mimo
Technology

Mesh Wi-Fi
1200Mbps



Mesh Agent
& Controller

1GE Download
1GE Upload

Single Core
1GHz CPU

Multi-WAN
Route/Bridge

TR069
IPv6

V1.1.8

SWR1200AC EASYMesh WiFi Router

The SWR1200AC is a 1200M EASYMesh 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 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 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 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

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,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