PRODUCT MODEL NUMBER: TL-HWR-13 DUAL BAND SOHO WIRELESS ROUTER

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PRODUCT OVERVIEW

TL-HWR-13 is a home use mesh wireless router with the next generation 802.11ac Wi-Fi standard, combined 1200Mbps Wi-Fi speed over 2.4GHz(300Mbps) and 5GHz(900Mbps), equipped Gigabit WAN/LAN ports, 5dBi omni-antenna, supply high wall-pass-through 2.4G wireless signal and very pure 5G wireless signal for end users, allowing them access into the wireless networking at any core with best performance.

It is easy to setup this smart wireless router by PC or mobile phone after login by IP address/domain/QR code scanning; It support gateway, wireless AP, Wi-Fi Repeater multiple operation mode, Smart QoS and variety advanced security, beamforming, auto channel select and Wi-Fi channel analyzer, making it easy to work in different networking for different applications.

Key Features

1. 11ac dual band, 1200Mbps data rate, Gigabit WAN Port

Comply with 802.11ac standard, dual 2.4G and 5G band, 1200Mbps data rate with Gigabit WAN port, less Wi-Fi interference and high data rate ensure TL-HWR-13 to provide more stable and faster network access.

2. Multiple operation mode in different environment for different application

TL-HWR-13 support Gateway, Wi-Fi Repeater, Wireless AP operation mode, flexible to choose the right operation mode based on different environment and application.

3. Varieties of Login method, Intelligent and Simple to setup

It is easy to Log in this wireless router by IP address, domain name, scanning QR code, users can configure and manage it by PC, Mobile phone; Easy and intelligent to finish the configuration according to setup wizard in three steps, plug and play.

4. Smart to learn and remember dial account and password

If dial account or password is forgotten, TL-HWR-13 with smart learning function can automatically save this account and password from the router you once used and connect to the internet success.

5. Beamforming Technology

TL-HWR-13 support beamforming technology, focus wireless router's signal toward each end user, concentrating the data transmission so that more data reach to the targeted users instead of radiating out into the atmosphere, to improve video streaming, voice quality and other bandwidth and latency-sensitive transmission.

6. Build in Wi-Fi Analyzer, automatic to select the optimal channel
The Wi-Fi analyzer will analysis the channel of surrounding wireless signal, helpful to select the optimal channel, effectively avoid Wi-Fi signal drop and latency.

7. Advanced Security and Firewall functions

TL-HWR-13 support varieties of encryption like WPA/WPA2/TKIP/AES, SSID hidden, firewall like IP/Port filtering URL filtering, MAC address filtering and port forwarding, DMZ to defend networking threats.

8. USB Storage function

TL-HWR-13 with USB port work with USB flash, work with DLNA and Samba server to share the data, music, film, games with home users, bring more fun.

9. Mesh Support

TL-HWR-13 support Mesh Technology, with self-organize and self-configure ability, reduce the installation overhead, enable dynamic distribution of workloads, particularly in the even that a few nodes should fail, turn contributes to fault-tolerance and reduce maintenance costs.

10. More Intelligent Functions

Parental Control: Parents can reasonably to plan when their kids can access into internet and control the internet time; Can scientifically manage the content the children browse to against the unhealthy content;

Guest Wi-Fi: Create an independent Wi-Fi for guests or visitors, to keep your main network safety.

Smart QoS: Reasonable to allocate the bandwidth, to supply a smooth wireless networking.

Timing Wi-Fi/LED on/off: It is easy to set the Wi-Fi SSID and LED indicator on/off in certain time, to meet different use habits.

SPECIFICATIONS

Model				
TL-HWR-13				
CPU				
RTL8197FH + RTL8812BRH + RTL8367RB				
Flash				
8MB				
RAM				
64MB				
Frequency				
2.4GHz: 2400MHz-2484MHz				
5.8GHz: 5180MHz~5825MHz				
Standard				
802.11ac/b/g/n, 2T2R MIMO				
Data Rate				
1200Mbps				
Modulation				
OFDM = BPSK, QPSK,16-QAM,64-QAM;				
DSSS = DBPSK,DQPSK,CCK				
2.4G RF Power				
802.11b	11M	18±2DB	1M	20±2DB
802.11g	54M	17±2DB	6M	19±2DB
802.11n HT20	MCS7	16±2DB	MCS0	18±2DB
802.11n HT40	MCS7	15±2DB	MCS0	17±2DB
5G RF Power				
802.11a	54M	17±2DB	6M	20±2DB
802.11n HT20	MCS7	16±2DB	MCS0	19±2DB
802.11n HT40	MCS7	15±2DB	MCS0	19±2DB.
802.11ac HT80	MCS9	14±2DB	MCS0	17±2DB
2.4G Receive Sensitivity				
802.11b	11M	-85dbm	1M	-94dbm
802.11g	54M	-72dbm	6M	-90dbm
802.11n HT20	MCS7	-70dbm	MCS0	-88dbm
802.11n HT40	MCS7	-68dbm	MCS0	-86dbm

5G Receive Sensitivity				
802.11a	54M	-74dbm	6M	-90dbm
802.11n HT20	MCS7	-72dbm	MCS0 .	-88dbm
802.11n HT40	MCS7	-68dbm	MCS0 .	-86dbm
802.11ac HT80	MCS9	-58dbm	MCS0 .	-80dbm

EVM
2.4G: 802.11b: ≤-10dB; 802.11g: ≤-25dB ; 802.11n: ≤-28dB
5G: 802.11a: ≤-25dB; 802.11n: ≤-28dB; 802.11ac: ≤-32dB

Frequency Deviation
±20ppm

Max Users
325

Size
218*148*33mm

Interface
3*10/100/1000Mbps LAN ports
1*10/100/1000Mbps WAN port
1*USB2.0 Port
1*DC 12V 0.5A
1*Reset button: Press in 10 seconds: reset to default settings;

Operation Mode
Gateway, Wi-Fi Repeater, Wireless AP

LED Indicator
PWR(Power), WAN, LAN, NET(Ethernet)

Antenna
Build in 5dBi high-gain omni antennas

Power consume
＜6W

Environment	
Working Temperature	-30°C to 55°C
Storage Temperature	-40°C to 70°C
Humidity	5%～95%（Non-condensing）

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