



ASKEY – RT5010W

11ax High Performance WiFi Router

The perfect WiFi solution for multi-device households and high-density WiFi environments, the Askey 11ax WiFi Router is a high performance device that will delight the most demanding customers. This Router is equipped with MU-MIMO and delivers up to 3.55Gbps bandwidth. It dynamically adapts to the number of connected devices to distribute an optimal bandwidth simultaneously to each of them.

The 11ax technology enables the Askey 11ax WiFi Router to significantly conserve the battery life of the connected devices - which makes it a suitable device particularly for IoT ecosystems.

Specifically designed to work in crowded WiFi environments, the Askey 11ax WiFi Router provides extended coverage and helps reduce the amount of interference from other nearby WiFi networks. It offers a high quality wireless experience with reduced congestion and latency, even in high device densities. This makes it an ideal choice for urban dwellers and multi-devices users.

Simply outstanding, this is the ultimate device for home users who want the best WiFi performance.

802.11a/b/g/n/ac/ax | Dual-Band WiFi 2.4/5GHz | MU-MIMO

Hardware

- Interfaces
1x 10/100/1000 Mbps and 2.5Gbps WAN Port
4x 10/100/1000 Mbps LAN Ports
- 1x USB 3.0
- WPS Button
- Reset Button

Wireless

- IEEE 802.11a/b/g/n/ac/ax
- 11ac mode
PHY rate: 1733 Mbps (5 GHz) and 800 Mbps (2.4 GHz)
5 GHz: SU-MIMO (4ss, 1 user) and MU-MIMO (4ss, 4 users)
2.4 GHz: SU-MIMO (4ss, 1 user) and MU-MIMO (4ss, 4 users)
Explicit beamforming
- 11ax mode
PHY rate: 2400 Mbps (5 GHz) and 1150 Mbps (2.4 GHz)
5 GHz: SU-MIMO (4ss, 1 user), DL MU-MIMO (4ss, 4 user), DL-OFDMA (8 users)
2.4 GHz: SU-MIMO (4ss, 1 user), DL MU-MIMO (4ss, 4 user), DL-OFDMA (8 users)
Explicit beamforming
- Frequency
2.4GHz & 5GHz
- Antenna
4x Internal Antenna
- Encryption
AES 128, 256
SHA 1-96, 128, 256, 512
3DES 1-96, MD5-96
CCM operation

Software - WAN

- DHCP, Static IP, PPPoE, L2TP and PPTP
- Supports IPv6 dual stack, Map-T and IPv6 CE logo conformance
- Supports pass-through of VPN tunneling protocols: PPPoE, PPTP, L2TP, IPSec and SSL

Software - WLAN

- Supports 802.11a/n/ac/ax for 5GHz and 802.11b/g/n for 2.4GHz operations
- Supports Airtime fairness, Band steering, Beamforming, MU-MIMO
- WiFi throughput up to 2400Mbps (5GHz) and 1150 Mbps (2.4GHz)

Software - Routing

- Supports Port Forwarding and DMZ
- Supports Static routes, RIP NG
- Supports multicast IGMP v1/v2/v3, IGMP Proxy, IGMP Snooping
- Firewall, VPN and QoS for traffic prioritization

Design and Remote Management

- Modular Design Architecture
- Software Customization Available
- Remote Management via TR-069 with TR-143 and TR-181 data elements
- Web GUI access for system configuration
- Firmware upgrade via HTTP/HTTPS managed by TR-069
- Dual-image support for firmware upgrade fail-safe
- Supports file sharing for USB storage
- Debugging
 - Diagnostic tools available (ping, trace route, nslookup, etc.)
 - Syslog client and system event notification
 - Availability of routing table, DHCP leases, wireless clients, port forwarding table and connection list on WebUI

Dimensions

- W 100 x D 150 x H 230 mm

Power & Operational Environment

- Input 100-240VAC (50~60Hz)
- Output 12V/2.5A
- Operating Temperature: 0 to 40°C (32 to 96°F)
- Operating Humidity: 10% to 90% (non-condensing)



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