



ASKEY – RT4230W

Wave 2 WiFi Router

The Askey Wave 2 WiFi Router meets today's and future demands for higher speed and more reliable WiFi connections, despite the simultaneous use of various client devices.

This carrier-grade Wave 2 router was designed with a modular architecture that can be customized to include 4G LTE, NB-IoT or 5G. The router currently supports TR-069, IPv6 / IPv4, cloud-based Radio Resource Management and FOTA. Further software customization to meet carrier requirements is available.

Beamforming Transmission technology enables the Wave 2 WiFi Router to concentrate its WiFi signal on each device. The WiFi connection is thus strengthened and more stable with less surrounding signal interference.

This Dual-Band 802.11ac high performance device is equipped with MU-MIMO 4x4 wave 2 and provides up to 2533Mbps bandwidth (2.4G 200Mbps x4 + 5G 433Mbps x4). It dynamically adapts to the number of connected devices to distribute an optimal bandwidth to each of them.

Equipped with the IPv4/IPv6 "Dual-Stack" function, this Wave 2 WiFi Router supports both IPv6 and IPv4 and helps legacy devices work during the transition.

The Wave 2 WiFi Router can be customized for software, hardware and industrial design to enable future carrier services and to align with carrier marketing/branding plans.

802.11a/b/g/n/ac | Dual-Band WiFi 2.4/5GHz | MU-MIMO | IPv4/IPv6 Dual-Stack

Hardware

- Qualcomm IPQ8065 Communication Processor with network acceleration hardware
- Qualcomm QCA9984 802.11ac 4x4 2.4/5GHz single-chip MAC/PHY/Radio
- Qualcomm QCA8337 seven-port Gigabit Ethernet switch
- 256MB x2 DDR3-1600 SRAM, 256MB NAND Flash (SLC)
- WiFi 2.4G x4 and 5G x4 internal antennas
- Dual-band 802.11ac MU-MIMO 4x4 wave2 solution up to 2533Mbps bandwidth (2.4G 200Mbps x4 + 5G 433Mbps x4)
- GbE WAN x1 and GbE LAN x4
- 1x USB 3.0
- 1x Dual color (green and red) LED indicator
- 1x WPS button
- 1x Factory default button
- DC power jack (12V/2.5A DC adapter)

Mesh Network

- Supports two mode : Controller mode / Extender mode
- Controller/ Extender Auto Detection
- EasyMesh
On-boarding/ Backhaul selection/ AP auto config/ Multi-AP steering/ Topology detection
- Askey Cloud System & FOTA
- Web GUI & App On-boarding
- TR069/TR181 Remote Control
- XMPP for Connection Request
- Mesh Group Configuration
- Adaptive Path Selection
- Range Extender Placement Indicator
- Multi-cast Enhancement
- Safety AP Steering Mechanism

Software - WAN

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

Software - WLAN

- Supports 802.11a/n/ac for 5GHz and 802.11b/g/n for 2.4GHz operations
- Supports Airtime fairness, Band steering, Beamforming, MU-MIMO
- WiFi throughput up to 2533Mbps bandwidth (2.4G 200Mbps x4 + 5G 433Mbps x4)
- Automatic/Dynamic channel selection for the best quality channel

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 and TR-181
- Web GUI access for system configuration
- Firmware upgrade via HTTP/HTTPS managed by TR-069 or FOTA
- 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

Power & Operational Environment

- Input 100-240VAC±10%
- Output 12V/2.5A
- Temperature: 0 to 40°C (32 to 96°F)
- Humidity: 20% to 90% (non-condensing)



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