

AR2146 AP Router



*AR2146 802.11n/ac Dual Band Gigabit AP Router
for simultaneous connections of multiple devices & massive wireless HD/UHD
video streaming without any interruption at every corner of a home.*

Key Features

Wi-Fi Features

- Ultimate Wireless Speed (2200)
450Mbps(2.4GHz), 1750Mbps(5GHz)
- Simultaneous Dual Band
- 802.11g/n/ac
- 2.4GHz(802.11n) : 3T3R
- 5GHz(802.11ac) : 4T4R
- Channel BW : 20/40/80/160(80+80)MHz

Security

- WPS, SSL, WPA/WPA2(TKIP/AES)
- IEEE802.11i, Firewall

Maintainability

- TR-069 and TR-181
- Remote Management Server + Device Management
- Wi-Fi Insight
- SON – Self-adjustment/recovery/health check

Network

- DHCP v4/v6 Server/Client
- IGMP
- Multicast support
- NAT(IPv4)
- QOS
: WMM, IEEE 802.1p, 802.1q VLAN
- WAVE2(MU-MIMO)
- Airtime fairness
- Band Steering
- Dual Stack IPv4, IPv6
- Wi-Fi Scanner (KRMS)

Technical Specifications

Network

- IPv4/IPv6 dual stack support
- DMZ
- DHCP v4/v6 server/client
- DNS proxy
- IGMP(v3), MLD – Multicast support
- VLAN IEEE 802.1q
- Dynamic and Static NAT-NAPT

WLAN

- 802.11g/n/ac dual-band concurrent - MU-MIMO(Wave2)
- 11n 3x3 (2.4GHz), 11ac 4x4 (5GHz)
- 20/40/80/160(80+80) MHz channel bandwidth
- Wi-Fi Smart Mesh - AP Steering (Easy Set-up/Mobile Set-up)
- Wi-Fi Scanner, DFS
- Auto-Channel Selection (ACS), Interference Immunity
- Multi-SSID (up to 2 SSIDs for each radio)
- QoS (WMM,802.11e, 802.1p, Queuing Classification)
- Beamforming
- Output power(EIRP)
 - 2.4GHz : 26 (±2)dBm, 5GHz : 28 (±2)dBm
 - (Total Combined Power, with Antenna Gain)

Security/Safety

- Security/Encryption modes
 - WPA-PSK/WPA2-PSK(TKIP/AES)
- Stateful Packet Inspection (SPI)
- Port-forwarding
- IP/Port/MAC
- NAT, VLAN
- DMZ support

Compliance/Certificates

- FCC/UL
- RoHS Compliant
- Wi-Fi Alliance *

Management/ Diagnostics/ Configuration

- Web-based GUI control configuration and management
- Remote Diagnostics (TR-069, TR-181)
- Remote Management Server + Device Management (KRMS)
- User-friendly Diagnostics
 - Graphical Display, Statistics Info
 - Error Status Notification
 - Topology Map

Interface

- Front Panel
 - LEDs
 - WPS push button
- Back Panel
 - 1 GbE WAN port
 - 4 GbE LAN ports
 - 1 USB 3.0 port
 - 12V DC/2Amps
 - Power input, Reset(pin hole)

Mechanical & Environmental Specification

- Operating Temperature : 0°C (32°F) ~ 40°C (104°F)
- Storage Temperature : -40°C (-40°F) ~ 70°C (158°F)
- Humidity : 10 ~ 90% (Non-condensing)
- Dimensions (H x W x D mm) : 210 x 81 x 155mm

For more information, please visit www.kaonmedia.com | www.kaonbroadband.com
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