EP-RT2983 AX1800 Dual-Band Wi-Fi 6 Router

Product Features

High-Performance Dual-Band Wi-Fi 6: Supports 802.11ax technology, providing faster transmission rates and lower latency. Speeds up to 574Mbps (2.4GHz) and 2402Mbps (5GHz).

Powerful Hardware Configuration: Equipped with MT7621 + MT7905 + MT7975 chipset for high-efficiency and stable network performance.

Large Storage Capacity: Features 128MB/256MB NAND flash and DDR3 memory, ensuring smooth operation for multiple applications.

Multiple Operating Modes: Supports Router, AP, Wireless Bridge, and Wired Bridge modes to meet different usage scenarios.

Comprehensive Interface Options: Offers 3× Gigabit LAN ports and 1× Gigabit WAN port for high-speed wired connections.

Secure VPN Support: Supports OpenVPN and WireGuard in both client and server modes for secure and stable remote access.

Open-Source Firmware: Pre-installed with OpenWrt v23.05, allowing users to customize and extend functionalities freely.

Hardware Specifications

Item	Specification
Chipset	MT7621 + MT7905 + MT7975
Storage	NAND 128MB / 256MB DDR3
Network Ports	3×10/100/1000M LAN (Auto MDI/MDIX) 1×10/100/1000M WAN (Auto MDI/MDIX)
Wireless	802.11 b/g/n/ax, 574Mbps (2.4GHz) 802.11 a/g/n/ac/ax, 2402Mbps (5GHz)
Wireless Encryption	WPA-PSK, WPA2-PSK, WPA3-SAE, Mixed WPA/WPA2/WPA3
Buttons	1×Reset button 1×WPS button
Power Supply	DC 12V/1.0A
Operating Humidity	10% – 90% (Non-condensing)
Operating Temperature	0℃ – 40℃
Antenna	2.4G 2T2R + 5G 2T2R 5dBi Omnidirectional Antennas
LED Indicators	1×Power, 1×WiFi, 1×WPS, 1×WAN, 3×LAN

Software Specifications

Item	Specification
Software Specifications	OpenWrt v23.05
Operating Modes	Router, AP, Wireless Bridge, Wired Bridge
WAN Settings	PPPoE, Dynamic IP, Static IP
System Settings	Time management, firmware upgrade, factory reset, reboot, password management, configuration backup & restore
Supported Protocols	IEEE802.11/b/g/n, IEEE802.11ax, IPv6, IPv4, ARP, DHCP, PPP, HTTP,

	ICMP
VPN Support	OpenVPN client & server WireGuard client & server

Application Scenarios

Home Broadband Acceleration: Ideal for providing high-speed wireless network connections for home users.

Small and Medium Businesses: Supports stable connections for multiple devices to meet office needs.

Remote Work: VPN support enables secure remote access.

Smart Home: Compatible with multiple smart devices, ensuring full home network coverage.