



## Dual-Band Wireless AX3000 Ethernet Router

### Hardware Specification

Chipset	MT7981B
WiFi 2.4G+5G Mac	MT7981B
WiFi 2.4G+5G RF	MT7976C
Flash	SPI NAND Flash : 128Mbytes (1Gbits)
DRAM	512MB (4Gbits)
Antenna	2.4G 2*2, 5G 2*3 , External antenna, 5 dBi

### Environment specifications

Operation environment	Temperature: 0° C to 40° C Humidity: 10% to 90% (Non-condensing)
Storage environment	Temperature: -30° C to 70° C Humidity: 10% to 90% (Non-condensing)

### Interface Specifications

WiFi/WPS	Mesh/WPS button
RESET	RESET button
WAN	1* Gigabit WAN port
LAN	3* Gigabit LAN port

### Power Supply Specifications

Power consumption	12V DC 1A
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# System Specifications

	<ul style="list-style-type: none"><li>•Full duplex IEEE 802.3x</li></ul>
Ethernet (LAN) Features	<ul style="list-style-type: none"><li>•MAC address learning</li><li>•IPv6 address transparent</li></ul>
	<ul style="list-style-type: none"><li>•IEEE 802.1d Transparent bridge</li></ul>
	<ul style="list-style-type: none"><li>•IPv4 NAT/Routing</li><li>•Static Routing, Dynamic Routing (RIP)</li><li>•IPv6 with IPv6 Routing</li><li>•IPv6 DualStack/DS-Lite</li></ul>
Networking Features	<ul style="list-style-type: none"><li>•NAT/NAPT</li><li>•Port forwarding</li><li>•PPPoE client</li><li>•DHCP Client/Server</li><li>•ALG (SIP,RTSP), UPnP</li><li>•DDNS/DNS server/DNSclient</li></ul>
	<ul style="list-style-type: none"><li>•VLAN IEEE 802.1q</li><li>•CoS IEEE 802.1p</li><li>•1:1 VLAN, N:1 VLAN, VLAN transparent transmission</li><li>•VLAN tag add/translation/removal</li><li>•QinQ VLAN</li></ul>
VLAN Functional Specifications	<ul style="list-style-type: none"><li>•Traffic classification and tagging via DSCP/VLAN/802.1P-bit</li></ul>
	<ul style="list-style-type: none"><li>•Per-port QoS and CoS mapping according to IEEE 802.1q and IEEE 802.1p priority</li><li>•SP/WRR/SP+WRR</li></ul>
QoS	<ul style="list-style-type: none"><li>•IGMP v1/v2/v3</li><li>•IGMP proxy/snooping</li><li>•IGMP Fast Leave</li><li>•IPv6 MLD v1/v2/proxy/snooping</li></ul>
Multicast	<ul style="list-style-type: none"><li>•802.11 ax/ac/a/n (5 GHz, 2x2 MIMO, up to 2.4Gbps)</li><li>•802.11 ax/b/g/n (2.4 GHz, 2x2 MIMO, up to 600 Mbps)</li><li>•WiFi Multimedia (WMM)</li><li>•Advanced Encryption Standard (AES), Temporary Key Integrity Protocol (TKIP)</li><li>•Wireless Protected Setup (WPS)</li><li>•WPA-PSK/WPA2-PSK/WAP3-SAE (WiFi protected access)</li><li>•Support Multiple SSID (up to 4)</li><li>•Up to 32 devices can accessed simultaneously (2.4 GHz: 32 clients; 5 GHz: 32 clients)</li></ul>
WLAN	<ul style="list-style-type: none"><li>•Static Packet Inspection (SPI) firewall</li><li>•Parental control (website blocking and network access period control)</li><li>•MAC/IP/URL addresses filtering</li><li>•Web (HTTP/HTTPS)/Telnet (CLI)</li><li>•OMCI (G.984.4)/TR-069 CWMP Client</li><li>•Mobile Apps</li><li>•PLOAM</li><li>•Firmware upgrade via FTP/HTTP/ TR069/OMCI/Apps</li><li>•Support Zyxel Auto-Provisioning</li></ul>
Security	
Management	

## Device outlook

### Front View



### Side View



