



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

Ethernet (LAN) Features	•Full duplex IEEE 802.3x
	•MAC address learning
Networking Features	•IPv6 address transparent
	•IEEE 802.1d Transparent bridge
	•IPv4 NAT/Routing
	•Static Routing, Dynamic Routing (RIP)
	•IPv6 with IPv6 Routing
	•IPv6 DualStack/DS-Lite
	•NAT/NAPT
	•Port forwarding
	•PPPoE client
	•DHCP Client/Server
VLAN Functional Specifications	•ALG (SIP,RTSP), UPnP
	•DDNS/DNS server/DNSclient
	•VLAN IEEE 802.1q
	•CoS IEEE 802.1p
	•1:1 VLAN, N:1 VLAN, VLAN transparent transmission
QoS	•VLAN tag add/translation/removal
	•QinQ VLAN
	•Traffic classification and tagging via DSCP/VLAN/802.1P-bit
Multicast	•Per-port QoS and CoS mapping according to IEEE 802.1q and IEEE 802.1p priority
	•SP/WRR/SP+WRR
	•IGMP v1/v2/v3
	•IGMP proxy/snooping
WLAN	•IGMP Fast Leave
	•IPv6 MLD v1/v2/proxy/snooping
	•802.11 ax/ac/a/n (5 GHz, 2x2 MIMO, up to 2.4Gbps)
	•802.11 ax/b/g/n (2.4 GHz, 2x2 MIMO, up to 600 Mbps)
	•WiFi Multimedia (WMM)
	•Advanced Encryption Standard (AES), Temporary Key Integrity Protocol (TKIP)
	•Wireless Protected Setup (WPS)
	•WPA-PSK/WPA2-PSK/WAP3-SAE (WiFi protected access)
	•Support Multiple SSID (up to 4)
	•Up to 32 devices can accessed simultaneously (2.4 GHz: 32 clients; 5 GHz: 32 clients)
Security	•Static Packet Inspection (SPI) firewall
	•Parental control (website blocking and network access period control)
	•MAC/IP/URL addresses filtering
Management	•Web (HTTP/HTTPS)/Telnet (CLI)
	•OMCI (G.984.4)/TR-069 CWMP Client
	•Mobile Apps
	•PLOAM
	•Firmware upgrade via FTP/HTTP/ TR069/OMCI/Apps
	•Support Zyxel Auto-Provisioning

Device outlook

Front View



Side View



Rear panel



Bottom panel

