

Product Data Sheet

Gigabit Dual-Band Router - 802.11ac Wi-Fi



Overview

The Gigabit Dual Band Router - 802.11ac Wi-Fi integrates a 4-port Switch, Firewall, NAT-router and Wireless AP. The router delivers exceptional range and speed that fully meets the need of Small Office/Home Office (SOHO) networks and the users who demand higher networking performance. Your wireless connections are radio-band selectable to avoid interference in your area, and the four built-in Gigabit ports supply high-speed connection to your wired devices.

Features

- Complies with IEEE 802.11ac.
- Has (1) 10/100/1000M Auto-Negotiation RJ-45 WAN port and (4) 10/100/1000M Auto-Negotiation RJ-45 LAN ports, and supports Auto MDI/MDI-X.
- USB ports support storage/FTP/Media.

Features (continued)

- Offers WPA/WPA2, WPA-PSK/WPA2-PSK authentication, TKIP/AES encryption security.
- Shares data and Internet access for users, supporting Dynamic IP/ Static IP/ PPPoE/ PPTP/ L2TP/ BigPond Internet access.
- Supports simultaneous 2.4GHz and 5GHz connections for 750Mbps of total available bandwidth.
- Includes Virtual Server, Special Application, and DMZ host.
- Features UPnP, Dynamic DNS, Static Routing.
- Provides Automatic-connection and Scheduled Connection on certain time to the Internet.
- Supports static IP address distributing via built-in NAT and DHCP server.
- Offers Parent Control and Access Control.
- Connects Internet on demand and disconnects from the Internet when idle for PPPoE.
- Provides 64/128-bit WEP encryption security and wireless LAN ACL (Access Control List).
- Supports Flow Statistics.
- Works with IPv6.
- Supports firmware upgrade and Web management.

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Specifications

Approvals	
Environmental Compliances	RoHS2
EMI Certifications	FCC
Safety Certifications	CE
Environmental	
Operating Humidity	5 to 90%, noncondensing
Operating Temperature	32 to +104° F (0 to 40° C)
Storage Humidity	5 to 90%, noncondensing
Storage Temperature	-40 to +70° F (-40 to +70° C)
Management	
Diagnostics	Power, Wireless, Ethernet, Internet, USB, WPS
Interfaces	(4) 10/100/1000Mbps LAN Ports, (1) 10/100/1000Mbps WAN Port, (1) USB 2.0 Port
IPv6	Supported
Network	Web base configuration utility via Ethernet
Services	TCP/IP, PPPoE, DHCP, ICMP, NAT, SNTP, IGMPv3, L2TP, PPTP, IPv6, MLD
Security/Authentication	WEP, WPA/WPA2, WPA2-PSK/WPA-PSK
Performance	
Data Rate	11b: 1/2/5.5/11 Mbps; 11a/g: 6/9/12/18/24/36/48/54/ Mbps; 11n: up to 300 Mbps; 11ac: up to 450 Mbps
Physical	
Connectors/Interfaces	(4) 10/100/1000-Mbps RJ-45 LAN ports; (1) 10/100/1000-Mbps RJ-45 WAN port; (1) USB 2.0
Cabling Type	10BASE-T: UTP category 3, 4, 5 cable (maximum 328 feet [100 m]), EIA/TIA-568: 100 STP (maximum 328 feet [100 m]), 100BASE-TX: UTP category 5, 5e cable (maximum 328 feet [100 m]), EIA/TIA-568: 100 STP (maximum 328 feet [100 m]), 1000BASE-TX: UTP category 5, 5e cable (maximum 328 feet [100 m]), EIA/TIA-568: 100 STP (maximum 328 feet [100 m])
Dimensions	7.3"H x 1.2"W x 5.2"D (18.4 x 3.0 x 13.2 cm)
Indicators	(6) LEDs: Power, Wireless, Ethernet, Internet, USB, WPS
Ports	(1) 10/100/1000M Auto-Negotiation Internet RJ-45 port; (4) 10/100/1000M Auto-Negotiation LAN RJ45 ports supporting Auto MDI/MDIX; (1) USB port supporting storage/FTP/Media;
Weight	0.5 lb. (0.2 kg)

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Specifications (continued)	
Physical (continued)	
Wireless Antennas	(2) 2.4–2.5 GHz (2 dBi), 4.9–5.825 GHz detachable omnidirectional
Wireless Frequencies	2.4–2.4835 GHz, 5.180–5.240 GHz, 5.745–5.825 GHz; <i>NOTE: Only 2.412 to 2.462 GHz is allowed to be used in USA, which means only channels 1–11 are available for American users to choose.</i>
Wireless Interface Protocol	DSSS (Direct Sequence Spread Spectrum)
Modulation Type	11ac: 256-QAM for OFDM; 11n/g/a: QPSK, BPSK, 16-QAM, 64-QAM for OFDM; 11b: CCK, DQPSK, DBPSK
Sensitivity	Per 5 G: 11a 6-Mbps: -91 dBm, 11a 54-Mbps: -74 dBm, 11ac HT20: -66 dBm, 11ac HT40: -64 dBm, 11ac HT80: -61 dBm; Per 2.4 G: 11g 54-M: -74 dBm, 11n HT20: -72 dBm, 11n HT40: -69dBm
Power	
Input	100-240 VAC 50-60 Hz
Output	12VDC/1.5A 18W
Power Supply Type	External switching power adapter
Features	
Wireless Security	WPA/WPA2, WPA-PSK/WPA2-PSK, TKIP/AES, 64/128/152-bit WEP
Protocols and Standards	
	IEEE 802.11ac, IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, IEEE 802.11a, IEEE 802.11e, IEEE 802.11i, IEEE 802.1X, IEEE 802.3X, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE

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