



Wi-Fi 6

AX3000 Gigabit Mesh Router

DIR-X3003

Discovering the Next Generation of Home Wi-Fi

3 Gbps Dual-Band Wi-Fi 6 Empowers your devices to operate at their maximum speed. Delight in seamless 4K streaming, immersive AR/VR gaming, and rapid downloads.

Gigabit Ports: 1 Gbps WAN port and 3× 1Gbps LAN ports offer high-speed data transmissions. Propelling your devices to optimal performance levels.

Enhanced Coverage Utilizing 4x high-power external antennas combined with Beamforming, our system offers increased capacity, robust and reliable connections, and reduced interference.

Mesh Compatibility Seamlessly integrates with Mesh routers to create a unified Mesh Wi-Fi network throughout your home, ensuring uninterrupted connectivity and eliminating drops or lag when transitioning between signals.

Parental Controls Protect your kids online with instant monitoring, content filters and customized settings for every connected device.

Easy Setup and Use Managing your network is now simpler than ever with the D-Link Mobile Connect Plus.



The DIR-X3003 is Gigabit Wi-Fi 6 Mesh Router, will offer you simultaneous dual band connection with 2400Mbps wireless speeds over 5GHz band and 574Mbps over the 2.4GHz band. This is a dual-band wireless router dedicated to home users for smart home networking to provide high performance experience to you for different network applications and it supports more devices to do the data transmission at once.



Gigabit WAN/LAN

Unlock unparalleled device performance with lightning-fast data transfers through the GE ports, harnessing the full potential of Wi-Fi 6



Quad Core Processor

The powerful quad-core CPU ensures smooth operation, while its ability to connect to more devices across dual bands ensures efficient performance.



Secure Network

Help keep your network safer with Advanced Parental Controls, guest Wi-Fi, WPA3 encryption and IC 62443-4-1 security certification.



Smart Roaming

Seamlessly connects your devices to the strongest signal as you move from room to room, eliminating the need for them to disconnect and reconnect.



OFDMA

Small data packets destined for multiple devices are transmitted together and never have to queue up again. Perfect for Smart Homes filled with bandwidth-hungry IoT devices battling for bandwidth.



Expandable Network

DIR-X3003 is a scalable solution. Add extra DIR-X3003 Points where you need more Coverage

Technical Specifications	
Hardware Parameters	
Chipset	BCM6756
CPU Frequency	Quad-core 1.7 GHz
Memory	256 MB
Flash	128 MB NAND
Wi-Fi	2T2R 2.4 GHz 802.11b/g/n/ac/ax, up to 574 Mbps 2T2R 5 GHz 802.11a/n/ac/ax, up to 2402 Mbps
Device Interfaces	1 × RJ45 10/100/1000 Mbps WAN Ethernet Port 3 × RJ45 10/100/1000 Mbps LAN Ethernet Port 1 × Reset Button 1 × WPS Button 1 × Power Jack
Wi-Fi Antenna	2 × 5 dBi External 2.4 GHz Antennas 2 × 5 dBi External 5 GHz Antennas
Wi-Fi Features	
Standard	IEEE 802.11a/b/g/n/ac/ax
Frequency Range	2.4 GHz: 2.402 GHz – 2.482 GHz 5 GHz: 5.150 GHz – 5.825 GHz
Modulation Schemes	OFDM: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM DSSS: DBPSK, DQPSK, CCK
Transfer Rate	HE20: up to 574Mbps 2.4G+5G, HE40: up to 1147Mbps 2.4G+5G HE80: up to 1201Mbps 5G, HE160 up to 2402Mbps 5G
2.4 GHz (802.11ax,x2)	
RF Power	MCS7: 19 dBm
RF Sensitivity	MCS7: -75 dBm
Antenna	2 × External 5 dBi Antennas
Connection Rate	600 Mbps
Throughput	400 Mbps
5 GHz (802.11ax,x2)	
RF Power	MCS9: 20 dBm, MCS11: 19 dBm
RF Sensitivity	MCS9: -64 dBm , MCS11: -59 dBm
Antenna	2 × External 5 dBi Antennas
Connection Rate	2.4 Gbps
Throughput	1600 Mbps

General Software Features

Wireless main Protocols:

- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n
- IEEE 802.11ac
- IEEE 802.11ax
- IEEE 802.11h(dfs)
- IEEE 802.11e(wmm)
- IEEE 802.11k/v/r

Wireless spec Features:

- Embedded AP with 8 SSIDs on each Radio
- Separate authentication for each SSID
- Wmf
- AutoChannel
- BSD
- easyMesh
- WPA3/SAE Security

Network main Protocols:

- RFC0768 UDP
- RFC0791 IP
- RFC0792 ICMP
- RFC0793 TCP
- RFC0826 Ethernet ARP
- RFC0894 IP over Ethernet
- RFC0922 Broadcasting Internet Datagrams
- RFC0950 Internet Standard Subnetting
- IEEE802.3 Ethertype
- IEEE802.1p
- RFC2516 PPP Over Ethernet (PPPoE)
- RFC1662 PPP in HDLC-like Framing
- RFC1332 PPP Internet Protocol Control Protocol
- RFC1042 Transmission of IP Datagrams over IEEE 802 Networks
- IPoE (a.k.a IP over Ethernet over AAL5)

Network spec Features:

- IPv4/IPv6 dual stack
- 6RD
- IPoE Bridge Mode
- IPoE DHCP/Static
- PPPoE Dynamic/Static
- IPv6 Stateless/Stateful
- PPTP, L2TP GRE IPSEC VPN
- IGMP proxy and MLD for IPTV
- DNS Proxy
- DHCP server
- NAT, NATP and ALG

Other spec Features:

- QOS Flow Control
- Samba/DLNA/FTP
- NAT,NAPT and ALG
- DMZ and Port forwarding(Virtual server)
- SPI Firewall, Denial of Service (DoS) protection
- Port filtering, IP filtering and MAC filtering
- URL filter
- DDNS
- Static route
- SNTP Date/time update from Internet Time Server
- Diagnostics(Ping/TraceRoute)
- Logs and statistics
- Automatic timing restart

Management Features:

- WEB GUI
- Command line tools(telnet/ssh)
- D-Link Mobile Connect Plus App

Environment Requirement	
Operating Temperature	0°C~40°C
Storage Temperature	-20°C ~ 70°C
Operating Humidity	5%~95% (typical)
Power Supply	12V/1A

EMC/Safety	
Regulation Compliance	CE
Safety Regulations	UL
Green Standard	RoHS