



Wi-Fi 7

BE10000 Tri-Band Mesh Router



DIR-BE981

Experience Lightning-Fast 10 Gbps¹ Tri-Band Speeds ensuring your devices operate at maximum efficiency. Enjoy seamless 4K/8K streaming, immersive AR/VR gaming, and rapid downloads with ease.

The latest Wi-Fi 7 technology incorporates Multi-Link Operation Multi-RUs, 4K-QAM, and 320 MHz channels. It achieves speeds of 5760 Mbps¹ on the 6GHz band, 2880 Mbps¹ on the 5GHz band, and 1030 Mbps¹ on the 2.4GHz band. Your network will deliver unprecedented performance that will leave you amazed.

10G Port Featuring 1× 10 Gbps WAN port and 4× 1 Gbps LAN ports with link-aggregation, this setup surpasses the 1G bottleneck, propelling your devices to optimal performance levels.

Enhanced Coverage With 7× Internal high-power antennas, proprietary Wi-Fi optimization, and Beamforming technology, you experience expanded coverage, increased capacity, robust and reliable connections, and minimized interference.

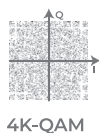
Mesh Compatibility Seamlessly integrates with Mesh routers to create a unified Mesh WiFi network throughout your home, ensuring uninterrupted connectivity and eliminating drops or lag when transitioning between signals.

Advanced 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+ App.



The new 6GHz spectrum offers faster data speeds, increased capacity, reduced interference, and better latency.



4K QAM modulation that can deliver 140% higher capacity.



320MHz channels deliver massive throughput using a single 6GHz high band link



Enhances throughput, minimizes latency, and boosts reliability for upcoming applications.



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



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



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.



DIR-BE981 is a scalable solution. Add extra DIR-BE981 Points where you need more Coverage

Technical Specifications

DIR-BE981

Hardware Parameters

CPU frequency	Quad-Core, 2.0-GHz
Memory	1GB DDR
Flash	256MB Nand Flash
Wi-Fi	3T3R 2GHz 802.11b/g/n/ac/ax/be, 1030Mbps ¹
	2T2R 5GHz 802.11a/n/ac/ax/be, 2880Mbps ¹
	2T2R 6GHz 802.11a/n/ac/ax/be, 5760Mbps ¹
Device Interfaces	1 x RJ45 100M/1000M/2.5G /5G/10G WAN Ethernet
	4 x RJ45 100M/1000M LAN Ethernet
	1 x Reset Button
	1 x WPS Button
Wi-Fi Antenna	3 x 3dBi Internal 2.4G antennas
	2 x 5dBi Internal 5G antennas
	2 x 5dBi Internal 6G antennas

Wi-Fi Features

Standard	802.11b/g/n/ac/ax/be, 1.03Gbps ¹ 2.4G
	802.11a/n/ac/ax/be, 2.88Gbps ¹ 5G
	802.11a/n/ac/ax/be, 5.76Gbps ¹ 6G
Modulation schemes	OFDM = BPSK,QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM DSSS = DBPSK, DQPSK, CCK
Transfer Rate	EHT20: up to 1236Mbps ¹ 2.4G+5G+6G
	EHT40: up to 2470Mbps ¹ 2.4G+5G+6G
	EHT80: up to 2880Mbps ¹ 5G+6G
	EHT160: up to 5760Mbps ¹ 5G+6G
	EHT320: up to 5760Mbps ¹ 6G

Functionality

WAN Type	Static IP Dynamic IP PPPoE 802.1p & 802.1q VLAN tagging and priority bit	
Security Protocol	WPA/WPA2 - Personal WPA2 - Personal	WPA2/WPA3 - Personal (WPS not supported) WPA3 Only (WPS not supported)
Firewall	DoS Stateful Packet Inspection Anti-spoofing checking	IP/MAC address filtering 1 x DMZ
Mesh	D-Link Wi-Fi Mesh	
QoS	D-Link Intelligent QoS Technology	
Power Saving	Target Wake Time (TWT)	
Access Control	Advanced Parental Controls	Guest zone
Dynamic DNS	No-IP DDNS	Dyn DDNS
Protocols	IPv4	IPv6
Operation Modes	Router mode Extender mode	Bridge mode
VPN Pass-Through	L2TP PPTP	IPSec

Environment Requirements

Operating Temperature	0°C~40°C
Storage Temperature	-30°C ~ 70°C
Operating Humidity	5%~95% (typical)
Power Supply	12V/2.5A

EMC/Safety

Regulation Compliance	CE
Safety Regulations	UL
Green Standard	RoHS

¹ Maximum wireless signal rate derived from IEEE Standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, may lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.