D-Link®
Building Networks for People

2.5G

DIR-X6080Z
AX6000 Multi Gigabit Wi-Fi 6 Router

Product Highlights

- Dual-Band Wi-Fi 6; Equipped with the latest wireless technology, Wi-Fi 6, for faster speeds, greater capacity, and reduced network congestion.

- Next-Gen 6000Mbps Speeds; Enjoy smooth streaming, downloading, and gaming all without buffering with Wi-Fi speeds of 6.0 Gbps.

- More Devices with Less Lag; OFDMA and MU-MIMO technology deliver data to multiple devices simultaneously.

- 2.5G Multi-Gigabit Port; 1× 2.5 Gbps WAN + 1× 2.5 Gbps LAN 3× Gigabit LAN ports + 1× USB 3.0 port ensure max flexibility and boosted throughput.

- USB 3.0 ; A USB 3.0 Port enables easy file sharing within your network or building private Cloud Storage

- Extensive Coverage; Beamforming, and eight antennas combine to deliver focused reception to devices far away, Also support Easy mesh R2 stander,3x Unit can cover 500㎡ entirely

- Support High Speed Internet (HSI) , IPTV and OTT services in 4K,HD,SD via multicast and unicast network

- Support D-Link Wi-Fi Connect Apps for easy management , built in Ookla Speedtest to measure the upload and download speed easily

- Extreme powerful Quad-Core CPUs at 2.0GHz ARM Filogic 830

- Support TR069 Remote Access

wifi connect

ANDROID APP ON Google play

Download on the App Store

Wi-Fi 6 Performance
Future-proof your Wi-Fi with coverage that's better, faster, and more efficient
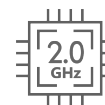
AX6000 Speeds
Wi-FI speeds up to 6Gbps.

Multi Gigabit
2 x 10/100/1000/2500 Gigabit WAN/LAN port

Quad-Core CPUs
Extreme powerful Quad-Core CPUs at 2.0GHz

Operation Mode
Router mode (Controller + Mesh Wireless Gateway)

Gigabit Ports
Plug in smart TVs, game consoles, and other devices for a fast and reliable connection

TR-069 Ready
(TR-181, TR-143)

Technical Specifications

Hardware

Standards	• IEEE 802.11ax/ac/n/a 5 GHz • IEEE 802.11ax/n/b/g 2.4 GHz	
Data Interfaces	• 1 x 10/100/1000/2500 Gigabit WAN port • 1 x 10/100/1000/2500 Gigabit LAN port • 3 x 10/100/1000 Gigabit LAN ports	• 1 x USB 3.0 • 1148Mbps for 2.4GHz band(802.11ax 40Mhz 4x4) • 4804Mbps for 5.0GHz band (802.11ax 160Mhz 4x4) • 8 antennas, AX6000
LEDs	• Power • Internet • 4 LAN LEDs (LAN 1 - LAN 4) LEDs at LAN ports • USB	• Wi-Fi • Mesh/WPS
Buttons	• Power ON/OFF Switch, RESET, WPS/MESH	

Software

WiFi Encryption	• WEP, WPA-PSK, WPA2-PSK, WPA/WPA2-PSK
Network Security	• Access Control, IP & MAC Binding
Guest Network	• 4*5GHz Guest Network /4*2.4GHz Guest Network
WAN Type	• DHCP, Static IP, PPPoE
Quality of Service	• QoS by Device
Forwarding	• Virtual Servers, DMZ, UPnP
Compliance	• CE, FCC, MCMC MTSFB TC T007:2020 SHORT RANGE DEVICES - SPECIFICATIONS (SECOND REVISION)
IPv6	• IPv6 and IPv4 dual stack • IPv6 Tunnels: DS-Lite • IPv6 Connection Type: PPPoEv6, DHCPv6, Static IPv6
Mesh	• Support 1 Main + 3 Satellite (1 +3)
Mobile Apps	D-Link Wi-Fi Connect (Android & IOS) - Support LAN & WAN Environment
DDR/FLASH	• 1G/128MB Single Flash Dual Image
Operating System	• PC - Microsoft,MacOS Mobile - Android,Apple iOs, Huawei HarmonyOs
Management	• Support Quick Installation Wizard • Support configuration saving, and restore to factory configuration • Support firmware upgrading via WEB GUI • Support Syslog monitoring • TR-069/TR-181/TR-143 compliance

Operating Environment

Power Supply	• 12V/3A power supply
Temperature	• Operating temperature: 0°C — 60°C, Operating humidity: 10-85%(non-condensed) • Storing temperature: -40°C — 80°C , Storing humidity: 5-95%(non-condensed)
Dimensions	• Device: 267mm x 267mm x 167mm Box: 405mm x 340mm x 186mm
Weight	• Device: 680g Box : 1260g (with device)

Others

	2.4GHz	5GHz
Reception sensitivity	• 11B 1M -96dB • 11B 11M -88dB • 11G 54M -75dB • 11N20MCS7 -74dB • 11AC20MCS8 -69dB • 11AC40MCS9 -64dB • 11AX20MCS11 -63dB • 11AX40MCS11 -59dB	• 11A 6M -92dB • 11A 54M -74dB • 11N20MCS7 -73dB • 11N40MCS7 -69dB • 11AC20MCS8 -69dB • 11AX20MCS11 -62dB • 11AX40MCS11 -58dB • 11AX1600MCS11 -51dB
Max transmit power of the Effective Isotropic Radiated Power (EIRP)	• 11B 1M 27.0dB • 11B 11M 27.0dB • 11G 54M 27.0dB • 11N20MCS7 26.5dB • 11AC20MCS8 26.0dB • 11AC40MCS9 25.5dB • 11AX20MCS11 25.0dB • 11AX40MCS11 25.0dB	• 11A 6M 30.0dB • 11B 54M 27.5dB • 11N20MCS7 27.0dB • 11N40MCS7 27.0dB • 11AC20MCS8 26.0dB • 11AX20MCS11 24.5dB • 11AX40MCS11 24.5dB • 11AX160MCS11 22.0dB

Package Content

DIR-X6080Z	• 1 x Dual Band AX6000 Wi-Fi 6 Router • 1 x UK Pin Power Adapter • 1 x 1.5M Cat6 RJ45 cables • 1 x Quick Setup Guide