D-Link
Building Networks for People

Product Highlights

Wireless AC and Gigabit Ethernet

Stream HD video or make Internet voice calls across your home, using the fastest wired and wireless connectivity options available today

Dual-band Wi-Fi for Seamless Performance

Access your network via two concurrent wireless bands for seamless performance no matter what you are doing

Simple to Set Up

Set up the DIR-842 in no time with the web-based setup wizard, and create an encrypted wireless connection easily using Wi-Fi Protected Setup (WPS)

DIR-842

AC1200 Wi-Fi Gigabit Router

Features

High-Speed Connectivity

- 802.11ac wireless specification delivers blazing fast wireless connectivity with increased range and reliability
- 10/100/1000 Gigabit Ethernet WAN port for reliable and fast Internet access
- Four 10/100/1000 Gigabit Ethernet LAN ports give you high-speed wired connectivity

Flexible Bandwidth

- Concurrent dual-band wireless for connections up to 1200 Mbps[1]
- QoS engine to prioritize important traffic and deliver uninterrupted bandwidth
- MU-MIMO support maximizes bandwidth for multiple devices simultaneously

Setup and Management

- Web browser-based setup and configuration
- Setup wizard to guide you through the configuration process
- Firewall and access control options to prevent attacks and restrict access to your network

The DIR-842 AC1200 Wi-Fi Gigabit Router is a powerful wireless networking solution designed for Small Office/Home Office (SOHO) environments. Featuring the upgraded 802.11ac Wave 2 specification, the DIR-842 provides Wi-Fi speeds of up to 1200 Mbps[1], high-speed delivery of large files, better range, and more channels for more bandwidth and smoother performance. Factoring in support for multiple input, multiple output (MU-MIMO) and Gigabit Ethernet ports, and the DIR-842 AC1200 Wi-Fi Gigabit Router is the perfect solution for a seamless networking experience for your home or small office.

High-Speed Wired and Wireless Connectivity

The DIR-842 AC1200 Wi-Fi Gigabit Router upgrades your network to wired 10/100/1000 Gigabit Ethernet, so you quickly and reliably transfer files between laptops or stream movies from your storage device to any room. Enjoy streaming media, Internet phone calls, online gaming, and content-rich web surfing throughout your home or office no matter if your using Wi-Fi or wired Ethernet. The built-in Quality of Service (QoS) engine allows you to prioritize important traffic in real-time to ensure that your favorite applications are always running smoothly.

802.11ac Wave 2 for Improved Performance

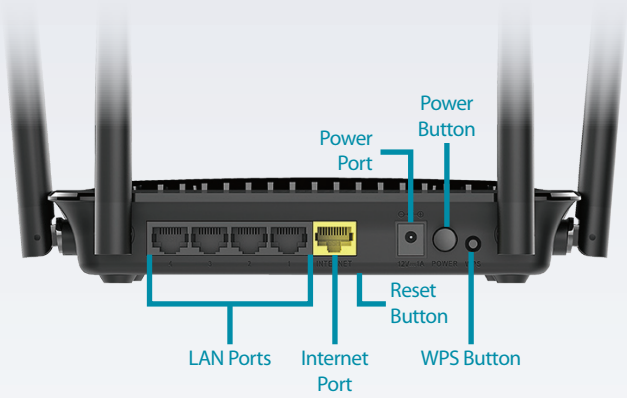
The DIR-842 AC1200 Wi-Fi Gigabit Router features the updated 802.11ac Wave 2 specification, which improves on the bandwidth, range, and speed of 802.11ac Wave 1. The new and improved specification increases maximum speeds for the 5 GHz band and adds more channels for higher speeds and less RF interference. This means you can surf the web or make Internet phone calls on the 2.4 GHz band while streaming digital media on the 5 GHz band from another room with minimal lag and stutter. What's more, with MU-MIMO, the router acts like having multiple routers for each device so everyone can stream media simultaneously with even less latency. All this adds up to a better networking experience throughout your SOHO network.

DIR-842 AC1200 Wi-Fi Gigabit Router

Easily Set Up Your Wireless Network

Sharing your Internet connection doesn't have to be a complicated process — just open a web browser to access the setup wizard and follow the easy step-by-step instructions to get started. You can also download the free QRS Mobile app on your mobile device and run through the wizard to quickly setup your DIR-842. Implement WPA/WPA2 wireless security in minutes with the wireless network setup wizard, or use Wi-Fi Protected Setup (WPS) to quickly connect new devices without the need to enter settings or create passwords. In addition, the built-in firewall requires no setup, protecting you against malicious attacks from the Internet, and access control features allow you to restrict access to your network, giving you greater control over network users.

Back Panel



Technical Specifications

General		
Device Interfaces	• IEEE 802.11 ac/n/g/b/a wireless LAN • 10/100/1000 Gigabit Ethernet WAN port	• Four 10/100/1000 Gigabit Ethernet LAN ports
LEDs	• Power • Internet • WLAN	• LAN (x 4) • WPS
Antenna Type	• Four detachable external antennas	

Data Signal Rate	• 2.4 GHz
	  • Up to 300 Mbps[1]
		• 5 GHz
		  • Up to 867 Mbps[1]

Standards	• IEEE 802.11ac • IEEE 802.11n • IEEE 802.11g • IEEE 802.3ab	• IEEE 802.11b • IEEE 802.11a • IEEE 802.3u
Minimum Requirements	• Windows 8/7/Vista or MAC OS X 10.6 or higher • Internet Explorer 10 or later, Firefox 28 or later, Chrome 28 or later, Safari 6.0 or later	• Network interface card • Cable/DSL modem or other Internet Service Provider equipment with Ethernet port
Functionality		
Security	• WPA & WPA2 (Wi-Fi Protected Access)	• WPS (Wi-Fi Protected Setup)
Advanced Features	• Web setup wizard • QoS (Quality of Service) • DMZ (Demilitarized Zone) • VLAN	• Firewall - Network Address Translation (NAT) • Guest zone • IPv6 ready
Physical		
Dimensions	• 189.95 x 134.27 x 38.11 mm (7.48 x 5.28 x 1.50 inches)	
Weight	• 301 g (10.68 ounces)	
Power Adaptor	• Input: 100 to 240 V AC, 50/60 Hz	• Output: 12 V DC, 1 A
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• CE [2] • FCC • RoHS	• D-Link Green • Wi-Fi Certified • RCM

DIR-842 AC1200 Wi-Fi Gigabit Router

Order Information	
Part Number	*Description*
DIR-842	AC1200 Wi-Fi Gigabit Router

[1] Maximum wireless signal rate derived from IEEE Standard 802.11ac and 802.11n 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.
[2] For the EU region, this product is compliant with CE regulations and operates within the following frequency ranges: 2.4 - 2.4835 GHz and 5.150 - 5.250 GHz.

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