

## Product Highlights

### Wireless AC and Gigabit Ethernet

Get the most out of your broadband connection by enjoying high-bandwidth applications like HD, 4K, and 3D video anywhere in your home

### Made for a Connected Home

Command your network with your voice with Amazon Alexa or the Google Assistant

### Simple to Set Up

Set up the DIR-821/822 in no time with the intuitive D-Link Wi-Fi app, the web-based setup wizard, or simply use the WPS button



## DIR-821/822

# Wireless AC1200 Gigabit Router



## Features

### Performance and Connectivity

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

### Voice-based Smart Home Network Control

- Command your router's functionality with your voice
- Enable and disable your Wi-Fi guest zone, check login credentials, and reboot the system hands-free

### Easy to Set Up and Use

- Simple setup wizard to guide you through the configuration process
- Use the D-Link Wi-Fi app or the Web GUI to configure your router

Need super-fast Wi-Fi for your wire-free, all-streaming house? With a powerful dual-core processor, the DIR-821/822 Wireless AC1200 Gigabit Router packs in enough processing power to handle every networking task you throw at it. It's a powerful, intelligent home router that integrates voice assistant compatibility for Amazon Alexa and the Google Assistant so you can control your network with voice commands. So stop settling for just a Wi-Fi signal - you deserve so much more.

## Handle More with a High-Power Processor

With the DIR-821/822, you're not only enjoying buffer-free gaming and lightning fast surfing, you're also enjoying features such as an automatically optimizing QoS with a built-in speedtest, an automatic firmware update system that ensures the best protection and the latest features, and compatibility with voice assistants. All this is possible with the router's 880 Mhz dual-core high-power processor, 128 MB of flash memory and 128 MB of RAM. The router is no longer just a networking device - it is a powerful, intelligent home gateway with processing power to boot.

## Enhanced Quality of Service Features

The built-in Quality of Service (QoS) engine allows you to prioritize important traffic to ensure that your favorite applications are receiving optimal bandwidth. Also included as part of the QoS feature is the speedtest, which not only allows you to check the current upload and download speed of your Internet connection, but also gives you the option of automatically configuring your router to optimize your traffic according to speedtest results.

### Always Up-to-Date with the Latest Features

Tired of having to visit the website or manually going to the router's UI every so often to check for the latest firmware? The DIR-821/822 will automatically check daily for updates to make sure that the device always has the latest features and the most secure firmware, and will install the update silently in the background. For an extra peace of mind, in the event of failure during the firmware update, the router will store a backup system image in the memory before proceeding with the update.

### Easy to Set Up and Manage

Sharing your Internet connection doesn't have to be a complicated process; just download the free D-Link Wi-Fi app for your mobile device and follow the on-screen step-by-step instructions to set up your DIR-821/822. You also have the option to use a web browser to access the setup wizard and to manage your router. Support for industry-standard Wi-Fi Protected Setup (WPS) lets you create encrypted connections to new devices by pressing a button.



# DIR-821/822 Wireless AC1200 Gigabit Router

## DIR-821/822 Technical Specifications

### General

Device Interfaces	<ul style="list-style-type: none"> <li>• IEEE 802.11 ac/n/g/b/a wireless LAN</li> <li>• One 10/100/1000 Mbps Gigabit Ethernet WAN port</li> </ul>	<ul style="list-style-type: none"> <li>• Four 10/100/1000 Mbps Gigabit Ethernet LAN ports</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• 2.4 GHz WLAN</li> </ul>	<ul style="list-style-type: none"> <li>• Internet</li> <li>• 5 GHz WLAN</li> </ul>
Antenna Type	<ul style="list-style-type: none"> <li>• Four external antennas</li> </ul>	
Data Signal Rate	<ul style="list-style-type: none"> <li>• 2.4 GHz</li> <li>• Up to 300 Mbps<sup>1</sup></li> </ul>	<ul style="list-style-type: none"> <li>• 5 GHz</li> <li>• Up to 867 Mbps<sup>1</sup></li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11ac</li> <li>• IEEE 802.11n</li> <li>• IEEE 802.11g</li> <li>• IEEE 802.11h</li> <li>• IEEE 802.11k</li> <li>• IEEE 802.3ab</li> <li>• IEEE 802.1q</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.11b</li> <li>• IEEE 802.11a</li> <li>• IEEE 802.11d</li> <li>• IEEE 802.11v</li> <li>• IEEE 802.3u</li> <li>• IEEE 802.1p</li> </ul>

### Functionality

Security	<ul style="list-style-type: none"> <li>• WPA / WPA2 / WPA3 (Wi-Fi Protected Access)</li> </ul>	
Advanced Features	<ul style="list-style-type: none"> <li>• Web-based setup wizard</li> <li>• Quality of Service (QoS)</li> <li>• IPv6 compatible</li> </ul>	<ul style="list-style-type: none"> <li>• MU-MIMO (Wi-Fi)</li> <li>• Wi-Fi Protected Setup - Push-Button Configuration (WPS-PBC)</li> <li>• D-Link Wi-Fi app compatible</li> </ul>

### Physical

Dimensions (L x W x H)	<ul style="list-style-type: none"> <li>• 238 x 156 x 31 mm (9.37 x 6.14 x 1.22 in)</li> </ul>	
Weight (per unit)	<ul style="list-style-type: none"> <li>• 328 g (0.72 lbs)</li> </ul>	
Power Input	<ul style="list-style-type: none"> <li>• 12 V / 1 A</li> </ul>	
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 to 40 °C (32 to 104 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: -20 to 65 °C (-4 to 149 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• Operating: 10% to 90% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: 5% to 95% non-condensing</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• FCC</li> <li>• IC</li> </ul>	<ul style="list-style-type: none"> <li>• CE</li> <li>• NCC</li> </ul>

### Order Information

Part Number	Description
DIR-821/822	Wireless AC1200 Gigabit Router

<sup>1</sup> Maximum wireless signal rate derived from the IEEE 802.11ac and 802.11n standards 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.

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