

# D-Fend AC2600 Wi-Fi Router

Make Your Smart Home Safer



All-in-one Wi-Fi router, smart home protection, parental controls, and anti-virus



DIR-2680

## Features

### D-Fend Security powered by McAfee™

- Keep your kids safe online with comprehensive parental controls via the D-Fend<sup>1</sup> app
- End-to-end protection with the McAfee Secure Home Platform<sup>2</sup> that automatically protects every device connected to your network
- Free installations of McAfee LiveSafe™ antivirus software<sup>3</sup> for your computers, tablets and smartphones

### 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
- Three Gigabit Ethernet LAN ports per unit to give you high-speed wired connectivity
- One SuperSpeed USB 3.0 port to share media from a storage device

### Voice Assistant Compatibility

- Command D-Fend and your router's functionality<sup>4</sup> with your voice through Amazon Alexa
- Setup Wi-Fi guest zone and turn your wi-fi on and off without having to go into the UI

A concurrent dual band wireless router upgraded to the latest 802.11ac standard technology, DIR-2680 brings you the future of high-bandwidth wireless connectivity, vastly increasing the speed and coverage of your network. Not only can you enjoy streaming HD video and lightning-fast downloads on multiple devices you can do so without sacrificing privacy and safety. The D-Fend smart home network protection gives your home network an extra layer of powerful protection. Voice assistant compatibility for Amazon Alexa is integrated so you can control your network with voice commands. The DIR-2680 is the ideal networking solution for the ever expanding smart home network that combines a Wi-Fi router with smart home protection, parental controls and anti-virus.

## Security for Your Network with D-Fend

Kick security up a notch with D-Fend security protection for your network. Keep your kids safe online with age-based profiles and the ability to pause the internet when you need to. All this is part of the comprehensive parental controls offered by D-Fend. With D-Fend you can also take control of your devices and be the first to know and respond to potentially threatening activity on your network, such as devices trying to connect to malicious addresses, or unidentified devices joining your network. When you are away from home, you can also deny any new devices from connecting to your network. D-Fend also works with Amazon Alexa to give you a new way to command and monitor your home network – your voice. You can scan your network, block devices, and get up to speed on your network notifications all without lifting a finger.

## High-Speed Wired and Wireless Connectivity

The DIR-2680 upgrades your network to dual-band high-speed wireless technology to bring you lightning-fast Wi-Fi speeds of up to 2533 Mbps<sup>5</sup> (800Mbps at 2.4GHz & 1733Mbps at 5GHz) so you can meet the increasing demand from multimedia applications. Enjoy seamless high definition streaming media, Internet phone calls, online gaming, and content-rich web surfing throughout your home or office, even over wireless. In addition, 10/100/1000 Gigabit Ethernet ports give you solid, dependable wired performance for devices such as Network Attached Storage (NAS), media centers, and gaming consoles. The built-in Quality of Service (QoS) engine allows you to prioritize important traffic to ensure that your favorite applications are receiving optimal bandwidth.

## 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-2680. You also have the option to use a web browser to access the setup wizard and manage your router. Support for industry-standard Wi-Fi Protected Setup - Push-Button Configuration (WPS-PBC) lets you create encrypted connections to new devices simply by pressing a button. In addition, access control features allow you to restrict access to your network giving you greater control over network users.

## Hassle-Free D-Link Smart Connect Technology

Ever since the introduction of 5 GHz wireless technology, users have had to blindly guess whether the 5 GHz or 2.4 GHz band would provide them with the best networking experience. D-Link's Smart Connect Technology eliminates this confusion by automatically switching devices to the optimal band. Simply initiate a connection to the DIR-2680 and its advanced algorithms will determine the best network for your device to connect to, ensuring a faster, more reliable, and hassle-free experience for your colleagues, friends, and family.

## File Sharing Right at Your Fingertips

The DIR-2680 lets you connect a USB storage device and instantly share documents, movies, pictures, and music. Put your music library on a USB drive and share it with your entire home. Show photos on the living room TV while your family watches a movie on their computer. Support for the UPnP protocol lets you discover network devices so you can stream media to multiple devices easily, or save them to your device for offline playback. The intuitive interface lets anyone immediately connect to a variety of entertainment options stored on your own storage device.

Front View



Back View



**DIR-2680 Technical Specifications**

General

Device Interfaces (per unit)	<ul style="list-style-type: none"> <li>• IEEE 802.11 ac/n/g/b/a wireless LAN</li> <li>• 1 x USB 3.0 port</li> </ul>	<ul style="list-style-type: none"> <li>• 3 x Gigabit LAN ports</li> <li>• 1 x Gigabit WAN port</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Status LED</li> </ul>	
Antenna Type	<ul style="list-style-type: none"> <li>• Internal</li> </ul>	
Data Signal Rate	<ul style="list-style-type: none"> <li>• 2.4 GHz                             <ul style="list-style-type: none"> <li>• Up to 800 Mbps<sup>1</sup></li> </ul> </li> <li>• 5 GHz                             <ul style="list-style-type: none"> <li>• Up to 1733 Mbps<sup>1</sup></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet                             <ul style="list-style-type: none"> <li>• 10/100/1000 Mbps (auto-negotiation)</li> </ul> </li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3i</li> <li>• IEEE 802.3u</li> <li>• IEEE 802.3ab</li> <li>• Supports auto-negotiation</li> <li>• Supports auto-MDI/MDIX</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.11ac Wave II</li> <li>• IEEE 802.11n</li> <li>• IEEE 802.11g</li> <li>• IEEE 802.11a</li> </ul>

## D-Fend AC2600 Wi-Fi Router

Functionality	
Security	<ul style="list-style-type: none"> <li>WPA/WPA2 (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> <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>160 x 160 x 160 mm (62.9 x 62.9 x 62.9 in)</li> </ul>
Weight (per unit)	<ul style="list-style-type: none"> <li>855 g</li> </ul>
Power Input	<ul style="list-style-type: none"> <li>12 V / 3 A</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>36 W</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Operating: 0 to 40 °C (32 to 104 °F)</li> <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> <li>Storage: 5% to 90% non-condensing</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>FCC</li> <li>IC</li> <li>CE</li> <li>RCM</li> </ul>

## Order Information

Part Number	Description
DIR-2680	D-Fend AC2600 Wi-Fi Router

<sup>1</sup> Check device app store for OS requirements

<sup>2</sup> Bundled McAfee Secure Home Platform subscription is valid for 5 years.

<sup>3</sup> Bundled McAfee Livesafe subscription is valid for 2 years.

<sup>4</sup> Not all functionality is supported for voice control

<sup>5</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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