

## 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

### Dual-band Wi-Fi for Seamless Performance

Two concurrent wireless networks for higher bandwidth, improved range, and backward compatibility

### Mesh Ready

Create a Mesh network by linking two or more DIR-825M's



## DIR-825M

# AC1200 MU-MIMO Gigabit Router

## Features

### High-Speed Connectivity

- 802.11ac MU-MIMO wireless delivers blazing fast wireless connectivity with increased range and reliability
- 10/100/1000 Gigabit Ethernet WAN port for fast paced Internet access
- Four 10/100/1000 Gigabit Ethernet LAN ports give you high-speed wired connectivity
- USB 2.0 for local network sharing
- Mesh Ready

### Secure Wireless Connection

- The Latest 128-bit Personal / 192-bit Enterprise Wi-Fi Encryption

### Flexible Bandwidth

- Concurrent dual-band wireless for connections up to 1200 Mbps<sup>1</sup>
- QoS engine to prioritize important traffic and deliver uninterrupted bandwidth

### Setup and Management

- Multiple Operating Modes Router / Access Point / Repeater / WISP Repeater / Wi-Fi Client
- Web browser-based setup and configuration
- Intuitive 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-825M AC1200 MU-MIMO Wi-Fi Gigabit Router is a powerful wireless networking solution designed for Small Office/Home Office (SOHO) environments. By combining high-speed 802.11ac Wi-Fi with dual-band technology and Gigabit Ethernet ports, the DIR-825M provides a seamless networking experience with a high degree of convenience and flexibility for SOHOs. The DIR-825M's SOHO-class advanced security features keep data safe from unwanted network intruders. This together with the increased range and reliability of Wireless AC technology, helps provide a safe and secure network for devices further into your home or office.

## High-Speed Wired and Wireless Connectivity

The DIR-825M AC1200 MU-MIMO Wi-Fi Gigabit Router upgrades your network to the latest high-speed wireless technology to bring you lightning-fast Wi-Fi speeds of up to 1200 Mbps<sup>1</sup> so you can meet the ever-greater 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. The new DIR-825M AC1200 Wi-Fi Gigabit Router also offers a built in Wireless repeater mode and by combining two or more DIR-825M's can be set up to function as a Mesh solution. 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.

## Dual-Band Wireless for Seamless Performance

The DIR-825 AC1200 MU-MIMO Wi-Fi Gigabit Router features dual-band wireless, allowing you to operate two concurrent, high-speed Wi-Fi bands for ultimate wireless performance. Surf the web or make important Internet phone calls on the 2.4 GHz band, while simultaneously streaming digital media on the 5 GHz band. What's more, each band can operate as a separate Wi-Fi network, giving you the ability to customize your network according to your connectivity needs. You can even configure a guest zone to give visitors Internet access without compromising the security of your SOHO network.

1. Up to 300Mbps for 2.4GHz and up to 867Mbps for 5GHz.

## Easy to Set Up and Secure

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. Configure, apply, and set up wireless security in minutes with the wireless network setup wizard, or use Wi-Fi Protected Setup (WPS), which establishes a secure connection to new devices without the need to enter settings or create passwords.

## Security

The wireless router DIR-825M includes a built-in firewall. The advanced security functions minimize threats of hacker attacks, preventing unwanted intrusions to your network, and blocking access to unwanted websites for users of your LAN.

### Technical Specifications

Hardware	
Device Interface	<ul style="list-style-type: none"> <li>• 1x 10/100/1000 WAN Ethernet</li> <li>• 4x 10/100/1000 LAN Ethernet</li> <li>• 1x USB 2.0</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• Internet</li> <li>• 4 LAN LEDs</li> <li>• USB</li> <li>• 2.4GHz WLAN</li> <li>• 5GHz WLAN</li> <li>• WPS</li> </ul>
Buttons	<ul style="list-style-type: none"> <li>• POWER button to power on/power off</li> <li>• WPS button to set up wireless connection</li> <li>• RESET button to restore factory default settings</li> </ul>
Antenna	<ul style="list-style-type: none"> <li>• 2x 5dBi 2.4GHz External Antennas</li> <li>• 2x 5dBi 5GHz External Antennas</li> </ul>
Power connector	<ul style="list-style-type: none"> <li>• Power input connector (DC)</li> </ul>
CPU frequency	<ul style="list-style-type: none"> <li>• Single core 1GHz</li> </ul>
Software	
WAN connection types	<ul style="list-style-type: none"> <li>• PPPoE</li> <li>• PPPoE Dual Stack</li> <li>• Static IP</li> <li>• Dynamic IP</li> <li>• PPPoE + Static IP (PPPoE Dual Access)</li> <li>• PPPoE + Dynamic IP (PPPoE Dual Access)</li> </ul>
Network functions	<ul style="list-style-type: none"> <li>• DHCP server/client</li> <li>• Dynamic DNS</li> <li>• Static routing</li> </ul>
Firewall functions	<ul style="list-style-type: none"> <li>• Network Address Translation (NAT)</li> <li>• Stateful Packet Inspection (SPI)</li> <li>• URL filter</li> <li>• MAC filter</li> <li>• IP filtering</li> <li>• Port filtering</li> <li>• DMZ and Port forwarding (Virtual server)</li> <li>• NAPT and ALG</li> <li>• Denial of Service (DoS) protection</li> </ul>
VPN	<ul style="list-style-type: none"> <li>• PPTP/L2TP/GRE VPN Client</li> <li>• IPSec/PPTP/L2TP pass-through</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Firmware update via web-based interface</li> <li>• Saving/restoring configuration to/from file</li> <li>• Access settings through WEB GUI</li> <li>• Automatic NTP Date/time from Internet Time Server</li> <li>• TR-069 remote management</li> <li>• Logs and statistics</li> </ul>

Wireless Module Parameters	
Standards	<ul style="list-style-type: none"> <li>IEEE 802.11 a/b/g/n/ac</li> </ul>
Frequency range	<ul style="list-style-type: none"> <li>2.4GHz: 2.4~2.4835GHz</li> <li>5GHz: 5.150~5.825GHz</li> </ul>
Wireless connection security	<ul style="list-style-type: none"> <li>The Latest 128-bit Personal/192-bit Enterprise Wi-Fi Encryption</li> <li>MAC filter</li> <li>WPS (PBC/PIN)</li> </ul>
Advanced functions	<ul style="list-style-type: none"> <li>Wireless Client Mode</li> <li>Wireless AP Mode</li> <li>Wireless Repeater Mode</li> <li>WISP Mode</li> <li>Mesh Ready</li> <li>Multiple SSID's</li> <li>Wireless Schedule</li> <li>FTP Server</li> </ul>
Transfer rate	<ul style="list-style-type: none"> <li>2.4GHz: up to 300Mbps</li> <li>5GHz: up to 867Mbps</li> </ul>
Software	
Modulation schemes	<ul style="list-style-type: none"> <li>OFDM = BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM</li> <li>DSSS = DBPSK, DQPSK, CCK</li> </ul>
Physical Parameters	
Dimensions (L x W x H)	<ul style="list-style-type: none"> <li>197 x 133.86 x 44.26</li> </ul>
Operating Environment	
Power	<ul style="list-style-type: none"> <li>Input: 12V DC, 1A</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Operating: from 0 to 40 °C</li> <li>Storage: from -30 to 70 °C</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>Operating: from 5% to 95% (non-condensing)</li> </ul>

Order Information	
Part Number	Description
DIR-825M	AC1200 MU-MIMO Gigabit Router