D-Link®
Building Networks for People

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[1]
- 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[1] 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.

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DIR-825M Wireless AC1200 Dual Band Router

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	• 1x 10/100/1000 WAN Ethernet • 4x 10/100/1000 LAN Ethernet • 1x USB 2.0
LEDs	• Power • Internet • 4 LAN LEDs • USB • 2.4GHz WLAN • 5GHz WLAN • WPS
Buttons	• POWER button to power on/power off • WPS button to set up wireless connection • RESET button to restore factory default settings
Antenna	• 2x 5dBi 2.4GHz External Antennas • 2x 5dBi 5GHz External Antennas
Power connector	• Power input connector (DC)
CPU frequency	• Single core 1GHz

Software

WAN connection types	• PPPoE • PPPoE Dual Stack • Static IP • Dynamic IP • PPPoE + Static IP (PPPoE Dual Access) • PPPoE + Dynamic IP (PPPoE Dual Access)
Network functions	• DHCP server/client • Dynamic DNS • Static routing
Firewall functions	• Network Address Translation (NAT) • Stateful Packet Inspection (SPI) • URL filter • MAC filter • IP filtering • Port filtering • DMZ and Port forwarding(Virtual server) • NAPT and ALG • Denial of Service (DoS) protection
VPN	• PPTP/L2TP/GRE VPN Client • IPSec/PPTP/L2TP pass-through
Management	• Firmware update via web-based interface • Saving/restoring configuration to/from file • Access settings through WEB GUI • Automatic NTP Date/time from Internet Time Server • TR-069 remote management • Logs and statistics

DIR-825M Wireless AC1200 Dual Band Router

Wireless Module Parameters	
Standards	• IEEE 802.11 a/b/g/n/ac
Frequency range	• 2.4GHz: 2.4~2.4835GHz • 5GHz: 5.150~5.825GHz
Wireless connection security	• The Latest 128-bit Personal/192-bit Enterprise Wi-Fi Encryption • MAC filter • WPS (PBC/PIN)
Advanced functions	• Wireless Client Mode • Wireless AP Mode • Wireless Repeater Mode • WISP Mode • Mesh Ready • Multiple SSID's • Wireless Schedule • FTP Server
Transfer rate	• 2.4GHz: up to 300Mbps • 5GHz: up to 867Mbps

Software	
Modulation schemes	• OFDM = BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM • DSSS = DBPSK, DQPSK, CCK

Physical Parameters	
Dimensions (L x W x H)	• 197 x 133.86 x 44.26

Operating Environment	
Power	• Input: 12V DC, 1A
Temperature	• Operating: from 0 to 40 °C • Storage: from -30 to 70 °C
Humidity	• Operating: from 5% to 95% (non-condensing)

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

D-Link

Nuclias Connect AX1800 Access Point

The Wi-Fi 6-ready DAP-X2810 is on hand to provide unbeatable speeds, greatly increased capacity and interference-free coverage, paired with easy management by Nuclias Connect.

DAP-X2810

- Easy to manage with D-Link's free centralized management software-based solution, Nuclias Connect
- Wi-Fi 6 delivers greater network efficiency and lower latency, with nearly four times the capacity of previous Wi-Fi standards
- MU-MIMO slices through congestion, reducing wait time for all users
- Superior throughput with dual-band Wi-Fi offers high transfer speeds
- Coverage is shared more efficiently over more users with Airtime Fairness
- Band Steering intelligently manages users, pushing them onto the higher radio frequency when possible
- One PoE Gigabit LAN port offers expansive backhaul to your wired network, eliminating bottlenecks at the AP
- Support for Power of Ethernet 802.3at means less wires, for cleaner and easier deployment
- One RJ45 Console port for debugging
- Stay secure with the latest WPA3™ Personal & Enterprise wireless encryption
- Supports multiple AP modes to ensure performance optimization based on your network's needs (AP/WDS with AP/WDS)
- MAC Address Filtering and WLAN Partitioning ensure ultimate control of your network's access
- Captive Portal with industry-standard authentication for enhanced access management
- Works as a standalone AP or as part of a centralized, scalable multi-device deployment

Nuclias Connect

Free-to-Download Management Software	Inexpensive Hardware Controllers	Searchable Event Log and Change Log
License-Free Access Points	Traffic Reporting & Analytics	Authentication via Customizable Captive Portal, 802.1x and RADIUS Server, POP3, LDAP, AD
Backwards-Compatibility	Remote Config. & Batch Config.	Multilingual Support
Intuitive Interface	Multi-Tenant & Role-Based Administration	Payment Gateway (Paypal) Integration and Front-Desk Ticket Management

General

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Device Interfaces	1 x RJ45 console port, 1 x 10/100/1000 Ethernet (PoE) LAN, factory reset, power input
LEDs	Power/Status
Antennas	2 x dual-band internal antennas
Antenna Gain	3.2 dBi (2.4 GHz), 4.3 dBi (5 GHz)
Maximum Output Power	23 dBm (2.4 GHz), 26 dBm (5 GHz)
Data Signal Rate	Up to 1800 Mbps

Functionality

Standards	IEEE 802.11a/b/g/n/ac/ax, IEEE 802.3u/ab, IEEE 802.3az Energy-Efficient Ethernet (EEE), IEEE 802.3at PoE
Operating Frequency	2.4 - 2.483 GHz, 5.15 - 5.35 GHz, 5.47 - 5.85 GHz
Security Protocol	WPA/WPA2/WPA3™ Personal/Enterprise, WEP 64/128-bit, SSID broadcast disable, MAC address access control, internal RADIUS server

Software

Network Management	Web (HTTP), Secure Socket Layer (SSL), Traffic control, D-Link Nuclias Connect

Physical

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Power Supply	12 V / 2.5 A (optional power adapter), IEEE 802.3at PoE
Max. Power Consumption	19.44 W
MTBF	> 30,000 hours
Operating Temperature	0 ˚C to 40 ˚C (32 ˚F to 104 ˚F)
Storage Temperature	-20˚C to 65 ˚C (-4 ˚F to 149˚F)
Operating Humidity	10% to 90%
Storage Humidity	5% to 95%
Weight	477.4 g (1.05 lb)
Dimensions	170 x 170 x 28 mm (6.69 x 6.69 x 1.1 in)
Certifications	CE, FCC, Wi-Fi Alliance

Power/Status

Reset Button

LAN (PoE)

Console

Power Connector

Antenna Pattern
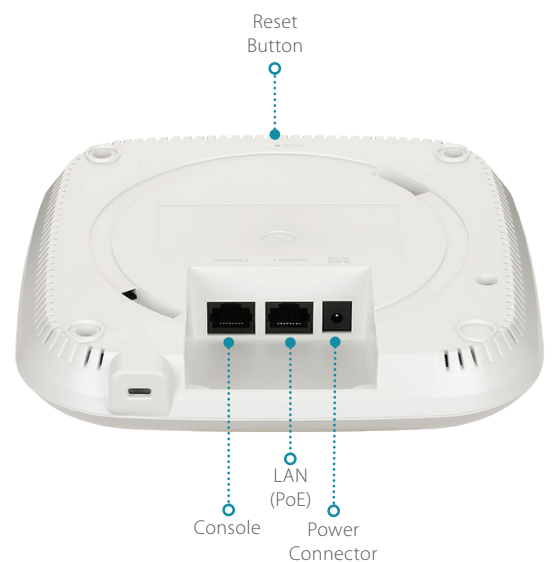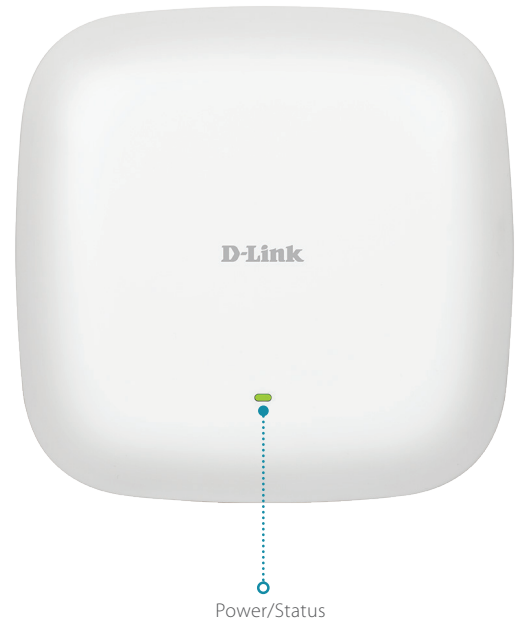
Orientation	H-Plane	E-Plane
2.4 GHz Wall Mounted		
5 GHz Wall Mounted		
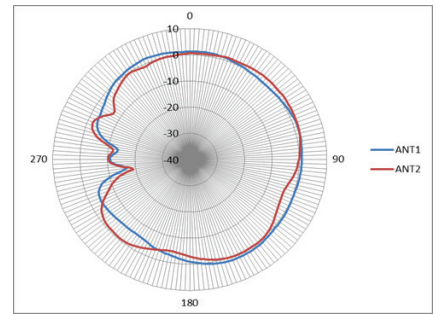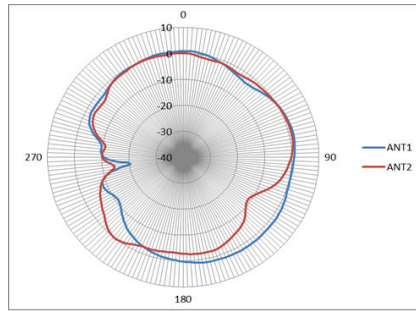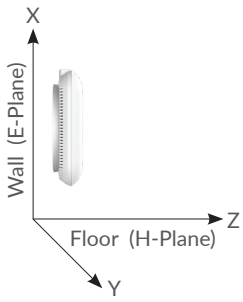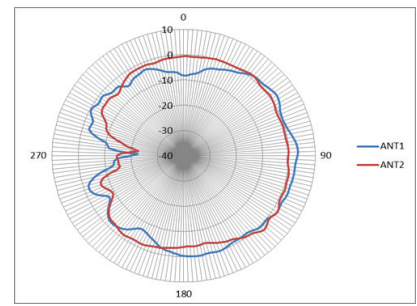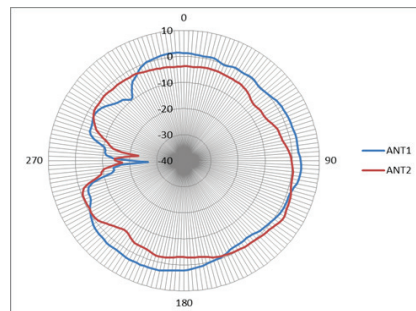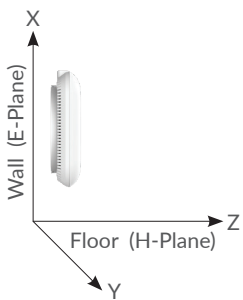
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2.4 GHz Ceiling Mounted		
5 GHz Ceiling Mounted		
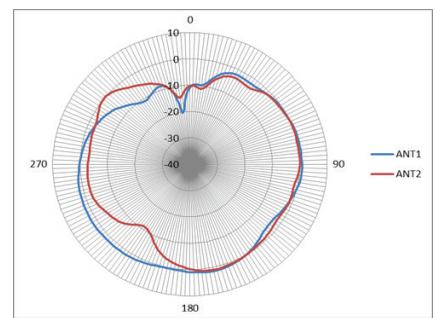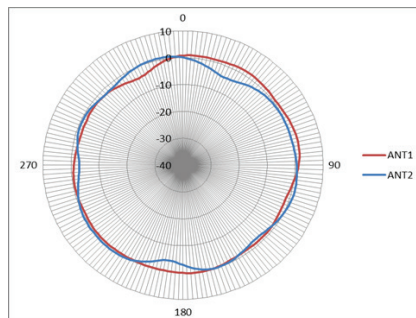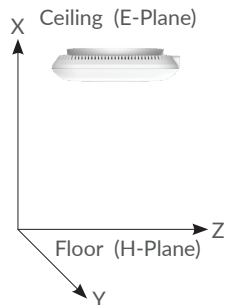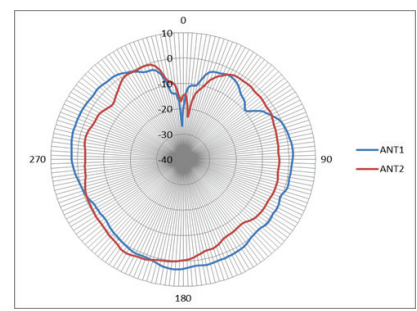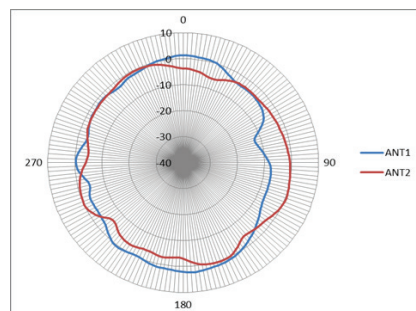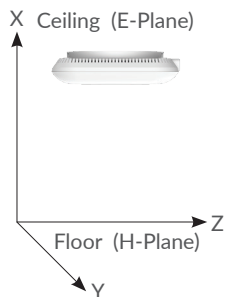
Order Information

DAP-X2810	Nuclias Connect AX1800 Access Point	

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