DH-MR403

N300 4G Wireless Router

- · 4G high-speed cellular network.
- · Complies with the IEEE 802.11b/g/n standard.
- · The wireless speed reaches up to 300 Mbps for IEEE 802.11n, allowing smooth internet access.
- · Wi-Fi protected Access(WPA/WPA2/WPA3).
- · Two non-removable external Wi-Fi antennas offer a wider signal coverage.
- · Two detachable external 4G LTE Antennas.
- · One Nano SIM card slot.

Series Overview

The DH-MR403 series router utilizes advanced 4G LTE technology to deliver optimal performance, with download speeds of up to 150 Mbps and upload speeds of 50 Mbps. It offers Wi-Fi connectivity with a maximum speed of 300 Mbps on the 2.4 GHz band. Additionally, the router features 3 embedded LAN ports, allowing you to connect various devices, including cable boxes, computers and surveillance cameras. With its versatile capabilities, this router is well-suited for small-scale applications such as gaming, streaming, and house surveillance.

Functions

4G
Supports a variety of 4G standards and fits all mobile networks.

Optimization of Channel Selection
The system automatically selects unoccupied channels to transmit data through when wireless function is enabled.

300 Mbps Wireless Speed
Complies with the IEEE802.11a/b/n standard and the wireless speed reaches up to 300 Mbps, allowing smooth internet access.

Intelligent Management
The router can be managed through the WiLynk app which features functions such as router configuration, network topology, parental control, guest Wi-Fi and Wi-Fi sharing. It not only improves router management, but also allows you to conveniently monitor the family network.

eSync Connection
eSync(Easy Sync) is an all-in-one feature that supports multiple networking protocols for effortless connectivity. With a single click of eSync button, you can seamlessly connect your device to the wireless network using the WPS protocol. Additionally, by pressing the button twice, it will quickly scan for uninitialized IPCs and establish their connections to the network.

Scene

Suitable for use in small businesses and stores.

Technical Specification

Hardware

Function Slots	1 × 10/100 Mbps WAN Port 3 × 10/100 Mbps LAN Port
External Port	SIM
Button	1 × eSync Button 1 × Reset Button
Power Supply	12 VDC,1 A
Memory	DDR 64 MB
Indicator Light	1 × Power 1 × Internet 1 × eSync 1 × SIM card 3 × Cellular signal

Performance

Wireless Standard	Wi-Fi 2.4 GHz: IEEE 802.11b/g/n LTE 4G: 3GPP Release10
Wireless Transmission Rate	2.4 GHz: 300 Mbps LTE FDD: 150 Mbps(DL)/50 Mbps(UL) LTE TDD: 110 Mbps(DL)/10 Mbps(UL) WCDMA: 384 kbps(DL)/384 kbps(UL)
Operating Frequency	2.4 GHz: 2.400 GHz–2.484 GHz LA Cellular Module： LTE FDD: B2/4/5/7/12/13/17/25/28/66(1900/ AWS-1/850/2600/700/700/700/1900/700/700 MHz) LTE TDD: B40(2300 MHz) WCDMA: B2/4/5(1900/AWS-1/850 MHz) 2.4 GHz: 2.400 GHz–2.484 GHz EU Cellular Module: LTE FDD: B1/3/7/8/20/28 (2100/1800/2600/900/800/700 MHz) LTE TDD: B40(2300 MHz) WCDMA: B1/8(2100/900 MHz)
Channel Width	2.4 GHz: 20/40 MHz
Max. Output Power	CE EIRP: ≤20dBm@2400-2483.5MHz
Transmission Distance	15 m (49.21 ft)
Optimal Transmission Distance	7 m (22.97 ft)
Connected Wireless Terminals	2.4 GHz: 32

Function

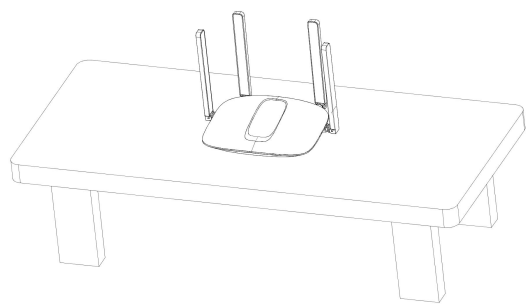|	
Equipment Management	Web; App
Network Protocol	HTTP;TCP/IP;IPv4;UDP;NTP;DHCP;DNS;DDNS;IPv6;UPnP; ICMP;IGMP;ARP;TCP;WMM;802.11b;802.11g;802.11n; MAC Filter
Network Access	PPPoE; Dynamic IP; Static IP; APN (4G)
Operating Mode	Wireless Router Mode
Encryption Mode	WPA; WPA2; WPA3; WPA/WPA2; WPA2/WPA3
Security Mechanism	MAC filtering
OFDMA	Yes
MU-MIMO	Yes
DHCP	Yes

NAT	Port mapping
VPN	No
QoS	No
DDNS	Yes
MESH	No
Firmware Update	Web update;App update
Software	Device Management: Quick Setup Wizard; System Management; System Log; Factory Reset; Backup Config; Config Restore; DMZ; Port Mapping; Diagnosis&Restart; Smart Control of LED RF Management: Wireless mode settings; Wireless bandwidth settings; Wireless channel settings; Transmission power settings; SSID Broadcast Network Type: Guest Wi-Fi; Host Wi-Fi; Wireless timing; End Device Management: WLAN MAC address filtering; Parental Control; End Device Name Config

General

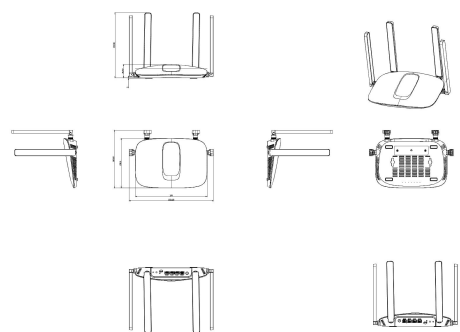|	
Power Consumption	Full load: 6.8 W Idling: 2.8 W
Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage Temperature	−40 °C to +70 °C (−40 °F to +158 °F)
Operating Humidity	10%–90% (RH), non-condensing
Net Weight	0.31 kg (0.68 lb)
Gross Weight	UK: 0.75 kg (1.50 lb) US: 0.68 kg (1.50 lb) EU: 0.68 kg (1.50 lb)
Product Dimensions	227 mm × 155 mm × 173 mm (8.49" × 6.10" × 6.81") (L × W × H)
Packaging Dimensions	UK: 290 mm × 270 mm × 55 mm (11.42" × 10.63" × 2.17") (L × W × H) US: 290 mm × 270 mm × 55 mm (11.42" × 10.63" × 2.17") (L × W × H) EU: 290 mm × 270 mm × 55 mm (11.42" × 10.63" × 2.17") (L × W × H)
Statics Protection	Air discharge: 8 kV Contact discharge: 4 kV
Lightning Protection	Common mode: 2 kV Differential mode: 1 kV
Installation	Desktop mount; wall mount
Certifications	CE
Packing List	1 × Device 1 × Power Adapter 1 × Quick Start Guide 1 × Legal and Regulatory Information 1 × Network Cable

Ordering Information

Type	Model	Description
Wireless Router	DH-MR403	N300 4G Wireless Router

Installation

Dimensions (mm[inch])

Panels