

DH-AX15M

AX1500 Wireless Router



Series Overview

DH-AX15M Gigabit Wireless Router provides wireless access through dual concurrent wireless networks. It provides access to a large number of users, and has wide signal coverage and fast wireless speed. It complies with the IEEE 802.11ax standard, and its wireless speed reaches up to 1,500 Mbps allowing smooth internet access. Using MU-MIMO technology, it supports concurrent connections, greatly reducing network latency. It has a built-in 1 GHz high performance processor, enabling it to have high processing capabilities and fast data transmission speed. It provides excellent wireless networks, and is the good choice for new generation network activities.

Functions

WPA3 Encryption

Adopts 192-bit CNSA (Commercial National Security Algorithm) to prevent brute force attacks on the password. The architecture of the security system also improves the privacy and security of wireless connections, and is strong against network attacks.

Low-power Consumption Technology

Using TWT (Target Wake Time) technology, the router can negotiate when and how often it wakes up to send or receive data, and switches to low-power consumption mode when it is idle. End Devices that access the router can save up to 30% on consumption, improving their battery life.

Intelligent Management

The router can be managed through the WiLink 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.

High Speed and Low Latency

It leverages 6th Generation Wi-Fi, dual-band Wi-Fi, MU-MIMO, OFDMA and BSS Coloring. This greatly improves the concurrent performance of the router and its anti-interference capabilities on the same frequency band, providing smooth high-speed transmission with low latency for multiple devices.

- 6th Gen Wireless Technology.
- 1.5 Gbps Wireless speed (300 Mbps@2.4 GHz, 1201Mbps@5 GHz).
- Backward compatible (IEEE 802.11 b/g/n/ac/ax standard).
- Beamforming for better Coverage.
- OFDMA and 1024-QAM.
- Bi-directional MU-MIMO.
- WiFi protected Access(WPA/WPA2/WPA3).
- Guest Wi-Fi.
- Parental Control.



Scene

Suitable for scenes that require wireless network coverage such as stores and villas.



Villa



Cafe



Supermarket

Technical Specification

| | |
|-------------------|---|
| Hardware | |
| Physical Port | 1 × 10/100/1000Mbps WAN 2 × 10/100/1000Mbps LAN |
| Power Consumption | <10 W |
| Memory | 128 MB Flash and 128 MB RAM |
| Indicator Light | 1 × WPS 1 × 5GHz, 1 × 2.4GHz 1 × LAN 1 × Internet 1 × PWR |
| Button | 1 × Reset/WPS button |
| Wireless Standard | 2.4 GHz: 802.11 b/g/n 5 GHz: 802.11 a/n/a/ac/ax |

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|------------------------------|---|
| Performance | |
| Operating Frequency | 2.412 GHz–2.484 GHz 5.150 GHz–5.850 GHz |
| Wireless Transmission Rate | 2.4 GHz: 300 Mbps 5 GHz: 1201 Mbps |
| Channel Width | 20/40/80 MHz |
| Max. Output Power | CE EIRP: ≤20 dBm@2400-2483.5 MHz ≤23 dBm@5150-5250 MHz ≤23 dBm@5250-5350 MHz ≤27 dBm@5470-5725 MHz ≤14 dBm@5725-5850 MHz |
| Antenna Gain | 2.4 GHz: 5dBi (±0.5) 5 GHz: 5dBi (±0.5) |
| Receiver Sensitivity | 2.4 GHz 11n HT20_MCS0: -95 dbm 11n HT20_MCS7: -75 dbm 11n HT40_MCS0: -92 dbm 11n HT40_MCS7: -72 dbm 5 GHz 11ac VHT80_MCS0: -89 dbm 11ac VHT80_MCS9: -62 dbm 11ax HE80_MCS0: -89 dbm 11ax HE80_MCS11: -59 dbm |
| Channel | 2.4 GHz: 1-13 5 GHz: 36/40/44/48,52/56/60/64,149/151/153/157 /161/165 |
| Connected Wireless Terminals | 2.4 GHz: 16 5 GHz: 32 |

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|--------------------|--|
| Function | |
| Encryption Mode | WPA-PSK WPA2-PSK WPA3-AES WPA/WPA2-PSK WPA2-PSK/WPA3-AES |
| Management and Log | NTP; Syslog |
| Firmware Update | Web/WiLynk App update |
| OFDMA | Yes |
| MU-MIMO | 2 × 2 |
| DHCP | Yes |
| NAT | Mapping based on port |

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|----------------------|----------------|
| QoS | Yes |
| DDNS | Yes |
| Parental Controls | Yes |
| Equipment Management | Web/WiLynk App |

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|-----------------------|---|
| General | |
| Power Supply | 12 VDC,1 A |
| Operating Temperature | 0 °C to 40 °C (32 °F to 104 °F) |
| Storage Temperature | −20 °C to +70 °C (−4 °F to 158 °F) |
| Operating Humidity | 10%–90% (RH), non-condensing |
| Gross Weight | 0.56 kg (1.23 lb) |
| Net Weight | 0.26 kg (0.57 lb) |
| Packaging Dimensions | 321 mm × 257 mm × 76 mm(12.63" × 10.11" × 2.99") (L × W × H) |
| Product Dimensions | 215 mm × 119 mm × 173 mm (8.46" × 4.67" × 6.81") (L × W × H) |
| Statics Protection | Air discharge: 8 kV Contact discharge: 4 kV |
| Lighting Protection | Common mode: 2.5 kV Differential mode: 0.5 kV |
| Installation | Desktop mount |
| Packing List | 1 × Device 1 × Power Adapter 1 × Network Cable 1 × Quick Start Guide 1 × Legal and Regulatory Information 1 × Frequency Band Information 1 × Warranty Card 1 × Product Information QR Code |

Dimensions (mm [inch])

Technical drawing of the DH-AX15M router showing top and side views with dimensions in mm [inch].

Top View Dimensions:

- Overall Length: 214.8 [8.46]
- Overall Width: 118.6 [4.67]
- Base Width: 100.0 [3.94]

Side View Dimensions:

- Overall Height: 76.0 [2.99]
- Base Height: 28.3 [1.11]

Panels

