

# DH-AX30

## AX3000 Wireless Router



- 6th Gen Wireless Technology.
- 3 Gbps Wireless speed (574 Mbps@2.4 GHz, 2402 Mbps@5 GHz).
- Backward compatible (IEEE 802.11 b/g/n/ac/ax standard).
- 160 MHz channel width.
- Beamforming for better Coverage.
- OFDMA and 1024-QAM.
- Bi-directional MU-MIMO.
- WiFi protected Access(WPA/WPA2/WPA3).
- Guest Wi-Fi.
- Parental Control.

### System Overview

DH-AX30 Gigabit Wireless Router provides wireless access to a large number of users, and has a wide signal coverage and fast wireless speed. It complies with the IEEE 802.11ax standard, and its wireless speed reaches up to 2,976 Mbps, allowing smooth internet access. Using MU-MIMO technology, it supports concurrent connections, greatly reducing network latency. It also uses WPA3 Encryption to protect the device against network attacks. The router is energy efficient, using TWT technology to reduce power consumption. It can be managed through the WiLink app and provides wireless networks, making it a great choice to use with the latest wireless technology.

### 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.

### Scene

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



Villa



Cafe



Supermarket

## Specification

### Hardware

External Port	1×10/100/1000 Mbps(WAN) 3×10/100/1000 Mbps(LAN)
Reset Button	1
WPS Button	1
Power Consumption	<18W
Memory	256 MB
Indicator Light	PWR
Wireless Standard	2.4 GHz: 802.11 b/g/n/ax 5 GHz: 802.11 a/b/g/n/ac/ax

### Performance

Operating Frequency	2.412GHz – 2.472 GHz 5.170GHz – 5.330 GHz 5.735GHz – 5.835 GHz
Wireless Transmission Rate	2.4 GHz: 574 Mbps 5 GHz: 2402 Mbps
Channel Width	20/40/80/160 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 FCC output power: ≤27 dBm@2400-2483.5 MHz ≤24 dBm@5150-5250 MHz ≤24 dBm@5250-5350 MHz ≤24 dBm@5470-5725 MHz ≤30 dBm@5725-5850 MHz
Antenna Gain	2.4 GHz: 5 dBi (±0.5) 5 GHz: 5 dBi (±0.5)
Receiver Sensitivity	5 GHz 11ac VHT80_MCS0: -89 dbm 11ac VHT80_MCS9: -62 dbm 11ax VHT160_MCS0: -88 dbm 11ax VHT160_MCS11: -55 dbm 11ax HE80_MCS0: -89 dbm 11ax HE80_MCS11: -59 dbm 11ax HE160_MCS0: -85 dbm 11ax HE160_MCS11: -55 dbm 2.4 GHz 11n HT20_MCS0: -95 dbm 11n HT20_MCS7: -75 dbm 11n HT40_MCS0: -92 dbm 11n HT40_MCS7: -72 dbm 11ax HE20_MCS0: -95 dbm 11ax HE20_MCS11: -65 dbm 11ax HE40_MCS0: -92 dbm 11ax HE40_MCS11: -62 dbm
Channel	2.4 GHz: 1-13 5 GHz: 36/40/44/48/149/151/153/157/161/165
Connected Wireless Terminals	Up to 128
Feature	
Operating Mode	Router; repeater
Encryption Mode	WPA-PSK; WPA2-PSK; WPA-PSK/WPA2-PSK; WPA3-PSK; WPA2-PSK/WPA3-PSK
Firmware Update	Web update WiLynk App update

OFDMA	Yes
MU-MIMO	2x2
DHCP	Yes
NAT	Mapping based on port
QoS	Yes
DDNS	Yes
Parental Controls	Yes
Equipment Management	Web/WiLynk App
Software	Firewall; end device management

### General

Power Supply	12 VDC,1.5 A
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%–95% (RH), non-condensing
Gross Weight	0.86 kg (1.90 lb)
Net Weight	0.36 kg (0.79 lb)
Packaging Dimensions	470 mm × 295 mm × 60 mm (18.50" × 11.61" × 2.36") (L × W × H)
Product Dimensions	262.2 mm × 150.1 mm × 184.5 mm (10.32" × 5.91" × 7.26") (L × W × H)
Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV
Lighting Protection	Common mode: 2 kV; Differential mode: 0.5 kV
Installation	Desktop mount; wall mount
Packing List	1 × Device 1 × Power adapter 1 × Ethernet cable 1 × Quick Start Guide 1 × Legal and Regulatory Information

### Dimensions (mm[inch])

