

# H3C Magic BE18000 Tri-Band Wi-Fi 7 Router

## Overview

H3C Magic BE18000 tri-band Wi-Fi 7 router is the first designed Wi-Fi 7 router by New H3C Intelligence Terminal Co., Ltd. and it's aimed at users and groups who pursues whole-house coverage and high-quality network. The BE18000 adopts the latest Wi-Fi 7 (802.11be) wireless protocol technology, introducing 6GHz band and supporting maximum 320MHz bandwidth, providing 18443Mbps wireless speed, 2.4GHz band wireless speed is increased to 1148Mbps, 5GHz band wireless speed is 5765Mbps, 6GHz band wireless speed is up to 11530Mbps. Meanwhile, Wi-Fi 7's new Multi-Link Operation (MLO) technology could accelerate connections or avoid bands with high interference, improving the speed and stability of devices. Besides, BE18000 adopts Qualcomm's new generation professional chip with quad-core 2.2GHz CPU to make your network more stable.



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## Product Features

### 18000Mbps Wireless Rate

It supports three bands and twelve streams with 4T4R channels in 2.4GHz & 5GHz & 6GHz bands. Combined with 320MHz large bandwidth and 4K QAM technology, the whole machine's wireless rate is up to 18443Mbps.

## 6GHz Band

Wi-Fi 7 brings the new 6GHz band, providing greater bandwidth, which translates into faster speeds and more capacity with less interference and lower latency than the 2.4GHz & 5GHz bands.

## 320MHz Ultra-Wide Bandwidth

Wi-Fi 7 is newly upgraded, 6GHz supports 320MHz ultra-large bandwidth, and the channel speed is nearly doubled compared to 160MHz bandwidth.

## Multi-Link Operation Technology

MLO with load balancing and aggregation capabilities dynamically utilizes all available bands and channels to speed up connections or avoid bands with high interference. MLO combines multiple channels at different frequencies to provide better throughput performance and help reduce device signal latency.

## Dual 10 Gigabit High-Speed Network Ports

The high-speed experience beyond gigabit, breaking through the bottleneck, and using the network freely. At the same time, it supports 10 Gigabit high-speed for intranet transmission to save time and effort when exchanging data.

## 4K QAM Leading Transmission Technology

Compared to 1024 QAM, the amount of data transferred at the same time increases by 20%. Paired with the adaptive terminal, the wireless rate increases by 20%.

## Qualcomm Professional Chip

Quad-core 2.2GHz CPU with independent network acceleration engine NPU, concurrent processing of 12 network channels, with independent network acceleration engine, the system runs more smoothly.

## Enterprise-Level Quality

H3C products serve more than 80% of the world's top 500 companies, and provide services for customers such as government affairs, finance, energy, electricity, operators, etc.

## VIP Exclusive Consultant

It provides caring 1 to 1 consultation for 365 days with instant response.

## Product Specifications

Item	Description
Hardware	

Fixed port	2*10G +3*10/100/1000Base-T Ethernet ports Independent reset key, function keys (Mesh, wireless optimization)
Antenna	Built-in high-gain omnidirectional antennas
CPU	IPQ9574
Indicator light	Front LED: System Status Indicator Rear LED: Port Status Indicator
Dimensions (WxDxH)	184*192*290mm
Power consumption	≦ 48W
Cooling method	Natural cooling
Product standards	YD/T 1096-2009
Certification	CE certification RoHS
<b>Wireless</b>	
Wireless protocol	2.4GHz: 802.11ax/n/g/b 5GHz: 802.11be/ax/ac/n/a 6GHz: 802.11be/ax/ac/n/a
Spatial flow	2.4GHz 4x4 MIMO 5GHz 4x4 MIMO 6GHz 4x4 MIMO
Wireless bandwidth	2.4G 20/40MHz 5G 20/40/80/160MHz 6G 20/40/80/160MHz/320MHz
Wireless rate	Multi-frequency concurrency 18443Mbps 2.4GHz: 1148Mbps & 5GHz: 5765Mbps & 6GHz: 11530Mbps
Wireless roaming	Support IEEE 802.11k/v
MU-MIMO	Support upstream and downstream MU-MIMO
<b>Software</b>	
Internet access	Routing mode: DHCP/PPPoE/Static IP Bridge mode: wired relay/wireless relay
EasyMesh	Available
IPv6	Available
Security features	WPA3 encryption Anti-Wi-Fi squatting/anti-attack Firewall, DMZ attacks
Network management	Guest Wi-Fi, allow/disallow access list, parental control based on multiple time periods, IP-based traffic control, Wi-Fi timer switch
Special function	QoS Traffic Shaping, Broadband Password Recovery, Packet Fast Forwarding Engine, Virtual Server
Management method	Support <b>H3C Magic</b> APP (iOS、Android)、Web ( <a href="http://moshujia.cn">moshujia.cn</a> or <a href="http://192.168.124.1">http://192.168.124.1</a> )
Troubleshooting	Link detection Internet diagnosis One-click upload of fault information
<b>Operating environment</b>	
Operating temperature	0°C~40°C

Storage humidity	10%~90% RH non-condensing
<b>Package</b>	
Packing list	Integrated machine Quick Start Guide Networking cable: Cat 6e cable Warranty card Certificate of Conformity

## Ordering information

Description	Quantity	Remark
Data communication -H3C Magic BE18000-802.11be 18000M Tri-band Wi-Fi 7 Wireless Router- Global Version	1	

# H3C

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