



Data Sheet

Home Wi-Fi Router

IHR7036

IHR7036 is a high-performance BE3600 dual-band and dual-gigabit Wi-Fi 7 (802.11be) router, which provides up to 3571Mbps bandwidth. With the MU-MIMO and OFDMA technologies, IHR7036 can simultaneously switch more data with more devices. The maximum number of connected devices can be 256.

IHR7036 is compliant with Wi-Fi EasyMesh standards. Multiple IHR7036 routers can form a Mesh network system, which enlarges the Wi-Fi coverage and brings seamless connectivity to every corner.

Product Feature

Faster rate, lower latency, and higher channel utilization

- Complies with Wi-Fi 7 (IEEE 802.11be) standards.
- Provides up to 3571 Mbps bandwidth (2882 Mbps in the 5GHz band and 689 Mbps in the 2.4GHz band).
- Supports 320 MHz ultra-wide bandwidth, 4096-QAM, Multi-RU, and Multi-Link Operation (MLO), delivering higher Wi-Fi speeds, more stable Wi-Fi, and lower latency.

Multiple types of interface design for flexible device accessing

- Provides one 2.5 Gigabit Ethernet WAN port and four 1 Gigabit Ethernet LAN ports), ensuring higher reliability and lower latency.
- Supports IPTV service transmission and the port binding and VLAN configuration for IPTV to meet the needs of IPTV in different scenarios.

Wi-Fi Mesh networking

- Complies with standard Wi-Fi Mesh specification for seamless whole-home Wi-Fi coverage.
- Configures Mesh networking by clicking the buttons and achieves seamless roaming with one SSID.
- Ensures high-quality Mesh networking through channel negotiation and traffic control technologies.

Rich and secure networking functions

- Provides multiple network connection types, including dynamic and static IPv4/IPv6, DHCP, PPPoE, routing mode, bridge mode, VLAN, and others, which are suitable for different ISP gateways and home network configurations.
- Supports a variety of security features including firewall, MAC filtering, WPA3, and others, ensuring a secure network environment.

Product Specification

Hardware Specifications	Descriptions
Power supply	<ul style="list-style-type: none"> DC, 12V/1.5A
Overall power consumption	<ul style="list-style-type: none"> 18W
Ethernet port	<ul style="list-style-type: none"> 1 x 10/100/1000/2500M self-adaptive WAN port 4 x 10/100/1000M self-adaptive LAN ports
Reset button	<ul style="list-style-type: none"> 1 x Reset button
Mesh button	<ul style="list-style-type: none"> 1 x Mesh button
Indicator	<ul style="list-style-type: none"> 1 x indicator
Dimension (W x L x H)	<ul style="list-style-type: none"> 200mm x 56mm x 150mm
Weight	<ul style="list-style-type: none"> 0.6kg
Operating temperature	<ul style="list-style-type: none"> 0°C ~ +40°C
Storage temperature	<ul style="list-style-type: none"> -20°C ~ +70°C
Operating humidity	<ul style="list-style-type: none"> 5% ~ 95%(non-condensing)
Antenna	<ul style="list-style-type: none"> Omni 5dBi high gain external antenna 2 x 2.4GHz antenna 2 x 5GHz antenna

Software Specifications	Descriptions
Setup wizard	<ul style="list-style-type: none"> Supported
Device status	<ul style="list-style-type: none"> WAN status Wi-Fi SSID and password Online terminal statistics Network inspection Device running status
Operating modes	<ul style="list-style-type: none"> Bridge, routing, and relay
Connecting types	<ul style="list-style-type: none"> DHCP, PPPOE, static IP
LAN IP	<ul style="list-style-type: none"> IP and subnet mask setting
DHCP	<ul style="list-style-type: none"> DHCP pool default gateway lease DNS setting DHCP static IP
Wi-Fi setting	<ul style="list-style-type: none"> Dual-band Wi-Fi setting Wi-Fi encryption protocol setting SSID/password setting channel setting bandwidth setting signal strength setting TWT on/off setting OFDMA on/off setting MU-MIMO on/off setting RTS threshold setting Beacon period setting
Service-based functions	<ul style="list-style-type: none"> Guest Wi-Fi Mesh Wi-Fi DDNS UPnP IPv6 QoS PPTP VPN LT2P VPN OpenVPN WireGuard VPN IPTV
Security functions	<ul style="list-style-type: none"> Client isolation feature setting Port forwarding rule setting Blacklist and whitelist setting Parental controls setting WPS DMZ
Management functions	<ul style="list-style-type: none"> Reboot policy setting System log recording Upgrading Login/password setting Factory reset