# DH-MAX18

## Mesh Wireless Router

- Offers wireless access and high bandwidth.
- 1 gigabit WAN port and 2 gigabit LAN ports.
- Easily switches between LAN and WAN.
- Supports accessing 1000 Mbps optical fiber broadband.
- Supports being managed through the WiLynk app.

### System Overview

Built with high-performance wireless transceiver chips, Dahua Mesh Wireless Router adopts advanced Mesh technology to provide broadband access and smooth wireless network services without dead angles for medium and large-scale scenarios. This product is suitable for scenarios that are more than 100 square meters, such as apartments, villas and offices.

### Functions

**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.

**Smart Mesh Networking**

Offers one-click networking, fast coverage of the mesh network, flexible configuration, network self-healing, and a user friendly interface that is easy to use.

**1800 Mbps Wireless Speed**

Supports 2.4G and 5G dual-band Wi-Fi, and complies with the IEEE 802.11ax standard. The wireless speed of the device can also reach up to 1800 Mbps, allowing smooth internet access.

**Load Balancing**

Conveniently switches between LAN and WAN, and supports load balancing mode. It also optimizes the flow of multi-WAN, increases the bandwidth for data transmission and provides link redundancy.

**VPN Encryption**

L2TP VPN and multiple types of encryption algorithms are supported, making it more convenient for enterprises to build virtual private networks through the internet.

**Seamless Roaming**

Features intelligent optimization of connections and seamlessly switches between nodes on the mesh network to ensure the stability of the network.

**Wide Coverage**

Wide network coverage that can cover the entire room without any dead angles.

### Scene

Villa

Cafe

Supermarkt

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## Specification

### Hardware

| | |
|---|---|
| Ethernet Ports | 1×10/100/1000 Mbps WAN port<br>2×10/100/1000 Mbps LAN port |
| Wireless Standard | IEEE 802.11b/g/a/n/ac/ax |
| Power Supply | 12 VDC |
| Included Power Adapter | Yes |
| Reset Button | 1 |
| Power Consumption | ≤12 W |
| Indicator Light | 1 × status indicator |

### Performance

| | |
|---|---|
| Terminal Communication Protocol | IEEE 802.3/802.3u/802.3ab@LAN;<br>IEEE 802.11b/g/a/n/ac/ax @WLAN |
| Operating Frequency | 5.15–5.25 GHz; 5.725 GHz–5.850 GHz;<br>2.400 GHz–2.483 GHz |
| Wireless Speed | 2.4 GHz Wi-Fi: 574 Mbps;<br>5 GHz Wi-Fi: 1,201Mbps |
| Antenna | 2×Built-in 2.4 GHz Wi-Fi omnidirectional antenna;<br>2×Built-in 5 GHz Wi-Fi omnidirectional antenna |
| Polarization | Horizontal |
| Cross-polarization Isolation | 2.4 GHz: ≤3.5 dBi; 5.8 GHz: ≤4.5 dBi |
| Antenna Gain | 2.4 GHz–1: 2.9 dBm;<br>2.4 GHz–2: 3.52 dBm;<br>5.8 GHz–1: 3.65 dBm;<br>5.8 GHz–2: 4.45 dBm |
| Connected Wireless Terminals | 2.4 GHz Wi-Fi: 32;<br>5 GHz Wi-Fi: 64 |
| WAN Port Connection Mode | Static IP address;<br>DHCP;<br>PPPoE |
| Channel Width | 20 MHz<br>40 MHz<br>80 MHz |

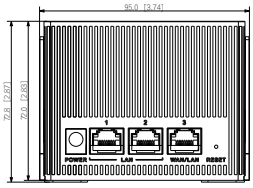
### General

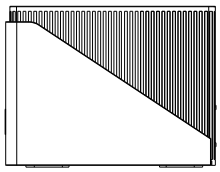
| | |
|---|---|
| Management and Log | Syslog;SSH;NTP |
| Firmware Update | Web/WiLynk App update |
| Wireless Certification | CE RED |
| Security Mechanism | IP/MAC filtering; WAP/WPA2-PSK/WPA3-PSK |
| Network Protocol | UDP; HTTPS; IPv6; IPv4; TCP/IP; HTTP; NTP; SSL; DHCP |
| Routing | Static routing |
| DHCP Server | Enable and disable DHCP Server;<br>Configure address pool of DHCP Server;<br>Configure the lease period;<br>Assign fixed IP addresses to clients |
| NAT | Port-based NAT configuration |
| VPN | L2TP; L2TP/IPsec VPN |
| APN | APN configuration |

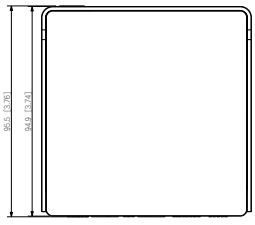
### General

| | |
|---|---|
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F) |
| Storage Temperature | –40 °C to +70 °C (–40 °F to +158 °F) |
| Operating Humidity | 5%–95% (RH), non-condensing |
| Main Body Dimensions | 94 mm × 94 mm × 72 mm (3.70" × 3.70" × 2.83") |
| Gross Weight | 1-pack: 0.48 kg (1.06 lb)<br>3-pack: 1.2 kg (2.65 lb) |
| Net Weight | 1-pack: 0.23 kg (0.51 lb)<br>3-pack: 0.69 kg (1.52 lb) |
| Product Dimensions | 1-pack: 126.5 mm × 121.5 mm × 155.5 mm (4.98" × 4.78" × 6.10")<br>3-pack: 451 mm × 128 mm × 106 mm (17.76" × 5.04" × 4.17") |
| Memory | 256 MB |
| Statics Protection | Air discharge: 8 kV;<br>Contact discharge: 6 kV |
| Lighting Protection | Common mode: 2 kV;<br>Differential mode: 1 kV |
| Installation | Desktop mount |
| Packing List | MAX18 (1-pack)<br>1×Device<br>1×Power adapter<br>1×Twisted pair cable<br>1×User manual<br>1×Laws and regulations manual<br><br>MAX18-3 (3-pack)<br>3×Devices<br>3×Power adapters<br>1×Twisted pair cable<br>1×User manual<br>1×Laws and regulations manual |

## Dimensions (mm[inch])



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