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

Mesh Wireless Router | DH-MAX18

Specification

Hardware

Ethernet Ports	1×10/100/1000 Mbps WAN port 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; IEEE 802.11b/g/a/n/ac/ax @WLAN
Operating Frequency	5.15–5.25 GHz; 5.725 GHz–5.850 GHz; 2.400 GHz–2.483 GHz
Wireless Speed	2.4 GHz Wi-Fi: 574 Mbps; 5 GHz Wi-Fi: 1,201Mbps
Antenna	2×Built-in 2.4 GHz Wi-Fi omnidirectional antenna; 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; 2.4 GHz–2: 3.52 dBm; 5.8 GHz–1: 3.65 dBm; 5.8 GHz–2: 4.45 dBm
Connected Wireless Terminals	2.4 GHz Wi-Fi: 32; 5 GHz Wi-Fi: 64
WAN Port Connection Mode	Static IP address; DHCP; PPPoE
Channel Width	20 MHz 40 MHz 80 MHz

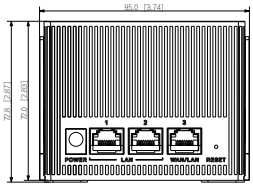
General

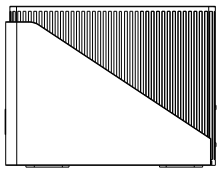
Management and Log	Syslog;SSH;NTP
Firmware Update	Web/WiLynk App update
Wireless Certification	CE RED
Security Mechanism	IP/MAC filtering; WAP/WPA2-PSK/WPA3-PSK
Network Protocol	UDP; HTTPS; IPv6; IPv4; TCP/IP; HTTP; NTP; SSL; DHCP
Routing	Static routing
DHCP Server	Enable and disable DHCP Server; Configure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

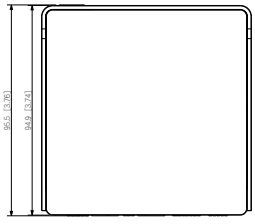
General

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) 3-pack: 1.2 kg (2.65 lb)
Net Weight	1-pack: 0.23 kg (0.51 lb) 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") 3-pack: 451 mm × 128 mm × 106 mm (17.76" × 5.04" × 4.17")
Memory	256 MB
Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV
Lighting Protection	Common mode: 2 kV; Differential mode: 1 kV
Installation	Desktop mount
Packing List	MAX18 (1-pack) 1×Device 1×Power adapter 1×Twisted pair cable 1×User manual 1×Laws and regulations manual MAX18-3 (3-pack) 3×Devices 3×Power adapters 1×Twisted pair cable 1×User manual 1×Laws and regulations manual

Dimensions (mm[inch])







Rev 002.000 © 2023 Dahua. All rights reserved. Design and specifications are subject to change without notice.
The images, specifications and information mentioned in the document are only for reference, and might differ from the actual product.