# DH-ERC305

Router

- · All-in-One Gigabit Router
- · Multi WAN-port mode.
- · EAP Series AP Management.
- · Flexible Forwarding Modes.
- · Smart Roaming Features.
- · Various kinds of network authentication methods.
- · Devices can quickly access the DoLynk Care platform and be remotely managed on it.

## Series Overview

DH-ERC Series Cloud Managed Router offers centralized management and control of DH-EAP series wireless APs. With quick cloud access and remote management on DoLynk Care, this device supports automatically generating the topology and adjusting device signal parameters according to the wireless environment. It also features security management, fast roaming, flexible QoS control. With excellent wired and wireless integrated access capabilities, the device is widely used in diverse network deployment scenes.

### Security Guarantee
24/7 network security for fully linked devices, data and networks.

## Functions

### All-in one Router
Performs routing and switching, and supports AP management, making it convenient for networking and testing.

### Smart Wireless Networking
Works with AP, and performs distributed networking, and unified operation and maintenance. The device provides wide Wi-Fi coverage, seamless roaming and is plug and play.

### All-Gigabit Ports
Designed with large buffer memory and all-Gigabit ports, enabling high-definition access of large stream.

### One Network
Integrated CCTV and IT network.

### Quick Deployment
Easy and quick network setup.

### Efficient Maintenance
Maintenance through topology, with abundant functions for hassle-free device services.

## Technical Specification

### Hardware

| | |
|---|---|
| Modular Switch/Fixed Switch | Fixed |
| PoE Power Supply | No |
| Ethernet Port | 5 |
| Ethernet Port Speed | 10/100/1000 Mbps |
| LAN Port | 4 × 10/100/1000 Mbps (3 LAN port can be switched to WAN port) |
| WAN Port | 1 × 10/100/1000 Mbps |
| Reset Button | Yes |
| Power Supply | 100–240 VAC, 50 Hz |
| Dual Power Supplies | No |
| Power Consumption | <10 W |

### Function

| | |
|---|---|
| 802.11 LAN Protocols | 802.11k;802.11v |
| CAPWAP | Yes |
| Roaming | Yes |
| Forwarding | Local forwarding |
| User Isolation | Yes |
| User Management | Yes |
| STA RSSI Threshold | -90 dBm |
| RF Management | 100%; 50%; 25% |
| WAN Port Function | PPPoE; DHCP; Static IP |
| Multi-WAN Load Balancing | Yes |
| Link Detection | Yes |
| IP Routing | Yes |
| VPN | Yes |
| Multicast | Yes |
| DHCP Function | Yes |
| Security | Firewall |
| ARP | Yes |
| QoS/ACL | Yes |
| Equipment Management | Yes |

### Performance

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|---|---|
| Default Number of Manageable APs | 128 |
| Maximum Number of Manageable APs | 128 |
| Maximum Number of Configurable APs | 128 |
| Users Capacity | 128 |

| | |
|---|---|
| Maximum Number of Clients Supported by the Built-in Portal | 128 |
| Maximum Number of Wireless Users | 128 |
| Inter-AC Roaming Switch Time | <20 ms |
| Firewall | 200 Mbps |
| Encryption | 200 Mbps |
| Forwarding Capability | 1000 Mbps |
| CPU Frequency | 880 MHz |
| Processor | 2 |
| MTBF | >250,000 hours |
| Memory | 512 MB |
| Flash | 16 MB |
| MAC Address List | 8196 |
| Entries of MAC Address Filtering Table | 128 |
| IPv4 Forwarding | 1000 Mbps |
| Static Routes | 100 |
| Max. Number of Static DNS Records | 1000 |
| Max. Number of DDNS Records | 1 |
| Static ARP | 128 |
| Dynamic ARP | 8196 |
| ACL | 100 |
| Max. Number of Tunnels | 100 |
| Max. Number of Sessions | 200000 |
| Max. Number of Concurrent Connections | 200000 |
| Max. Number of Virtual Servers | 100 |
| Number of NAT | 100 |

### General

| | |
|---|---|
| Operating Temperature | −20 °C to +55 °C (−4 °F to +131 °F) |
| Operating Humidity | 5%–95% (RH), non-condensing |
| Storage Temperature | −40 °C to +70 °C (−40 °F to +158 °F) |
| Storage Humidity | 5%–95% (RH), non-condensing |
| Statics Protection | Air discharge: 8 kV; Contact discharge: 6 kV |
| Lightning Protection | Common mode: 2 kV; Differential mode: 1 kV |
| Net Weight | 1.42 kg (3.13 lb) |
| Gross Weight | 1.86 kg (4.10 lb) |

| | |
|---|---|
| Product Dimensions | 294 mm × 180 mm × 44 mm (11.57" × 7.09" × 1.73") (L × W × H) |
| Packaging Dimensions | 348 mm × 267 mm × 91 mm (13.70" × 10.51" × 3.58") (L × W × H) |
| Installation | Desktop mount |
| Certifications | CE |

## Certifications

| | |
|---|---|
| Certifications | CE |

## Ordering Information

| Type | Model | Description |
|---|---|---|
| Edge Router | DH-ERC305 | Router |

## Dimensions (mm[inch])