

# DH-RWB2-60N-03

## Outdoor Wireless Bridge



- 2.4 GHz 150 Mbps
- The high-gain antenna that can reach up to 12 dBi.
- Supports Passive PoE and has a transmission distance up to 60 meters.
- IP65 protection
- Supports automatic negotiation for a pair of wireless bridges upon power on.



Highly Durable Enclosure for Outdoor Use



Zero-Configuration Installation



2.4G Wireless Frequency Band



Smart LED Signal Indicator

### Series Overview

The Wireless Bridge is specially designed for outdoor use, operating within the 2.4 GHz frequency band and utilizing advanced 802.11n technology to deliver a peak wireless data transfer rate of 150 Mbps. It incorporates powerful external RF amplifiers and integrated high-performance directional antennas, enabling reliable point-to-point bridging over distances ranging from 1 to 3 kilometers. Additionally, the device supports wall mount and pole mount installation. Constructed with an industrial-grade waterproof and dustproof plastic enclosure, it also features 6 kV port lightning protection, ensuring stable operation in harsh outdoor conditions. This makes it an ideal solution for video surveillance in various settings, including residential areas, factories, orchards, and tourist attractions.

### Functions

#### Highly Durable Enclosure for Outdoor Use

With its IP64 rating, the device is both dustproof and waterproof, and is capable of operating in temperatures ranging -10°C to 55°C. The network port is also lightning proof up to 6 kV.

#### Zero-Configuration Installation

Thanks to its powerful automatic bridging algorithm, the device effortlessly supports automatic negotiation for a pair of wireless bridges upon power on. Furthermore, it offers a hassle-free installation process and user-friendly operations.

#### 2.4G Wireless Frequency Band

By adopting 802.11n technology, the device offers wireless data transmission with speeds reaching as high as 150 Mbps.

#### Smart LED Signal Indicator

Through the smart LED signal indicator, the signal strength is displayed using different colors.

## Technical Specification

### Hardware

Function Slots	Port 1: 1x10/100Base-T (LAN) Port 2: 1x 10/100Base-T (LAN, PoE In)
Power Supply	Passive PoE (12 VDC,1 A)
Memory	DDR 32 MB
Indicator Light	PoE/LAN LED1 LED2 LED3

### Performance

Wireless Standard	2.4 GHz: IEEE 802.11b/g/n
Operating Frequency	2.4 GHz–2.484 GHz
Channel Width	20/40 MHz
Antenna Gain	12 dBi
Max. Output Power	CE EIRP ≤24dBm@2400-2483.5MHZ FCC output power ≤37dBm@2400-2483.5MHz
Antenna Direction Angle	Horizontal: 60°; vertical: 30°
Receiver Sensitivity	11b 1Mbps -96dBm±1.5 dBm 11n MCS7 -72dBm±1.5 dBm
Polarization	Dual polarization
Transmission Distance	3-5 km
Optimal Transmission Distance	3 km
Channel	1-13

### Function

Equipment Management	WEB
Network Protocol	HTTP;HTTPS;TCP/ IP;IPv4;RTSP;UDP;SMTP;NTP;DHCP;DNS;DDNS;P2P;ISCSI ;IPv6;802.1x;SSL;QoS;FTP;UPnP;iCMP;SNMP;SNMPv1/v 2c/v3(MIB-2);iGMP;ARP;RTCP;RTP;PPPoE;IP Filter;RTMP;Bonjour;TCP;SMB;NFS;NA;Telnet;IP Search (Support Dahua IP camera,DVR, etc.) ;SIP;GAT1400;SSH;HTTP/HTTPS;ONVIF;MQTT
Operating Mode	AP; client
Encryption Mode	WEP WPA WPA2 WPA-PSK WPA2-PSK
Management and Log	Syslog;Telnet;SNMP;SSH
Firmware Update	Web update
Security Mechanism	IP/MAC filtering
DHCP	Yes
NAT	Yes
Software	Supports schedule restart

## General

Power Consumption	Full load: 4.4 W Idling: 1.2 W
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Storage Temperature	-30 °C to +70 °C (-30 °F to +158 °F)
Operating Humidity	10%–95% (RH), non-condensing
Net Weight	0.79 kg (1.74 lb)
Gross Weight	0.86 kg (1.90 lb)
Product Dimensions	94.86 mm × 67.5 mm × 270 mm (3.73" × 2.66" × 10.63") (L × W × H)
Packaging Dimensions	298 mm × 213 mm × 75 mm (11.73" × 8.38" × 2.95") (L × W × H)
Protection	IP65
Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lightning Protection	Common mode: 6 kV
Installation	Outdoor pole mount
Certifications	CE/RoHS
Packing List	1 × Device 1 × Ethernet Cable 1 × Plastic Strap 1 × PoE Injector 1 × PoE Adaptor 1 × Grounding Screw 2 × Expansion Bolt 2 × Screw for fixing the PoE injector 1 × Quick Start Guide 1 × Legal and Regulatory Information

## Ordering Information

Type	Model	Description
3KM 2.4GHz Outdoor Wireless Bridge	DH-RWB2-60N-03	Outdoor Wireless Bridge

## Dimensions (mm[inch])

