

DH-RWB2-60N-01

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	1-3 km
Optimal Transmission Distance	1 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
2.4GHz Outdoor Wireless Bridge	DH-RWB2-60N-01	Outdoor Wireless Bridge

Dimensions (mm[inch])

