DH-PFM886-15

Outdoor Long Range 5G Wireless Bridge

Features

- Use the high-performance 802.11ac MIMO chip, and the highest rate can achieve 867Mbps in theory
- Supports 5 working mode: Access Point, Client, WDS Access Point, WDS Client, WDS Repeater
- "Back to back" connection enables multiple links using multiple devices, which suits outdoor complicated terrain better
- Supports Point-to-Point wireless transmission
- TDMA technology best utilizes the bandwidth to support Point-to-Multi-Point wireless transmission
- Supports PoE power input
- Water-proof and ultraviolet-proof enclosure ensures stable performance in outdoor environment
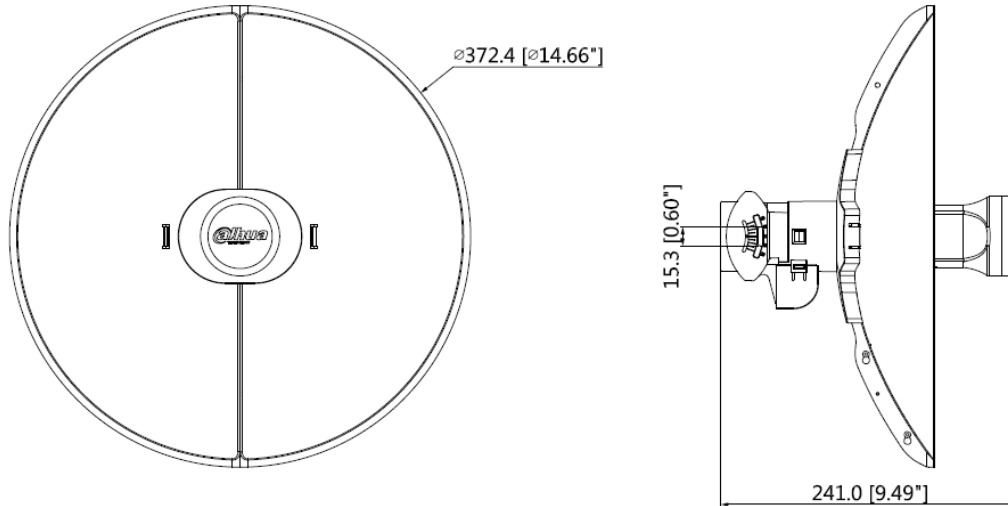- Supports management by web and Access Controller

DH-PFM886-15

Specifications

Model	DH-PFM886-15
Wireless Features	
Wireless Standard	IEEE802.11 a/n/ac
Working Frequency	5745~5825MHz (support frequency to extend, extended range: 4920~6100MHz)
Wireless Speed	867Mbps
Modulation Mode	OFDM
Antenna	23dBi
Output Power	27dBm (max)
Receiving Sensitivity	11a： 6Mbps -91 dBm 54 Mbps -72dBm 11n： MCS0 -85 dBm MCS7 -67dBm 11ac： MCS0 -85 dBm MCS9 -60dBm
Transmission Distance	≤15km
Wireless Direction Angle	Horizontal 10°, vertical 10°
Hardware	
Power	1*PoE RJ45 (PoE input via PoE switch or PoE adapter)
Power Consumption	≤25W
Ethernet Port	1×10/100M/1000MBase-TX (Cat. 5/5E, RJ-45)
Indicator Light	3×Link Quality
Working Temperature	-30℃～+70℃
Storage Temperature	-40℃～+85℃
Working Humidity	5%～95%RH(no condensation)
Equipment Dimension	240mm x Ø373mm
Equipment Weight	0.94kg
Protection Level	IP66
Software	
Encryption Type	802.1x/WPA-PSK/WPA2-PSK
Network Mode	Route/Network Bridge
Working Mode	Access Point/Client/WDS AP/WDS client/WDS Repeater
Security Mechanism	IP/MAC address filtering, hide network name
Network Protocol	TCP/UDP/ARP/ICMP/DHCP/HTTP/NTP
TDMA Enhancement	Support
Auto ACK Timing Adjustment	Support
Management and Log	NTP，Syslog，Telnet，AC，SNMP
Webpage Configuration Management	Web, SNMP, Access Controller
Firmware Update	Web, Access Controller
Bandwidth Flexible Configuration	10/20/40/80MHz

Dimensions (mm)

DH-PFM886-15

Dimension(units:mm[inch"]):⌀372.4[⌀14.66"]*241.0[9.49"]
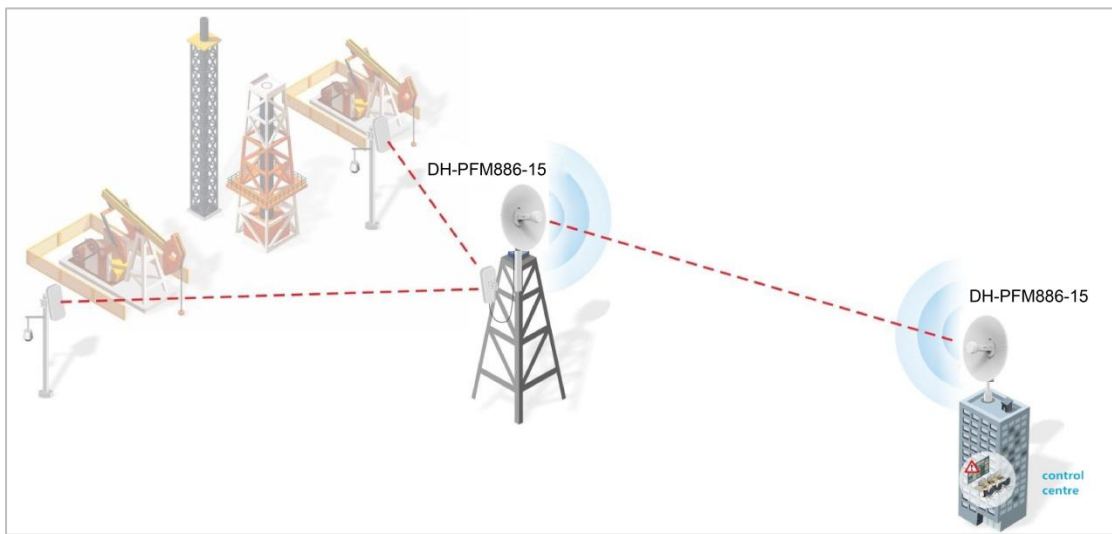

Application Scenarios

Wireless video surveillance (Transportation, City, Oil Pipeline, Forest Fire Prevention, etc.);
Railway, Transportation, Electricity and some other application scenario's wireless video/data transmission and wireless coverage;
Wireless backbone network for service provider;
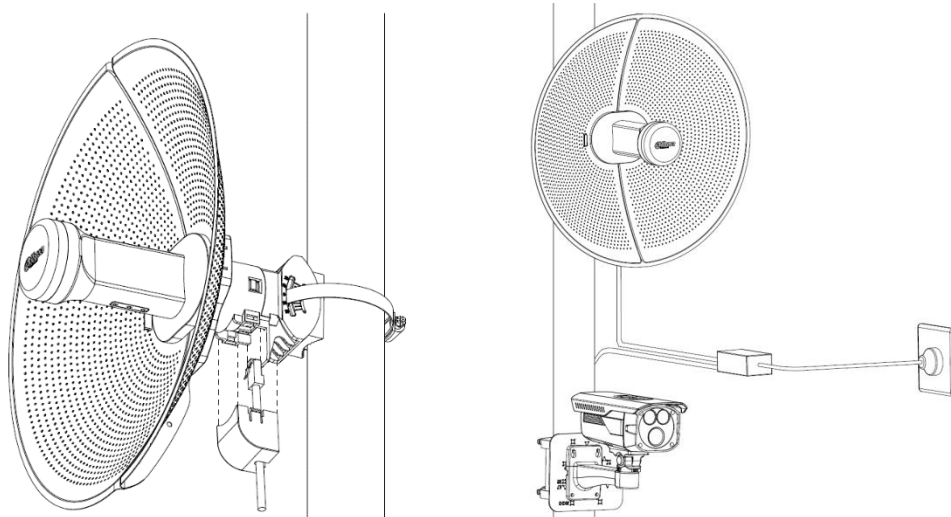Wireless coverage for rural area.

Networking Mode

1. Point-to-Point Networking

For point-to-point communication, generally a DH-PFM886-15 is set as access point, and the other DH-PFM886-15 is set as client, as demonstrated below.

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Connection Mode

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*Design and specifications are subject to change without notice.

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