

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

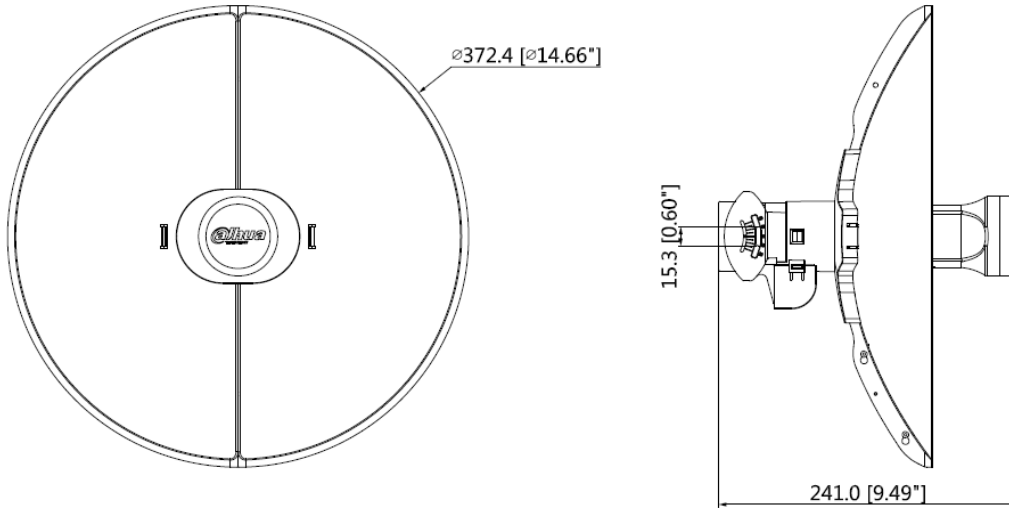
Specifications

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	1x10/100M/1000MBase-TX (Cat. 5/5E, RJ-45)		
Indicator Light	3xLink 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		
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]): $\varnothing 372.4[\varnothing 14.66"] \times 241.0[9.49"]$



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;

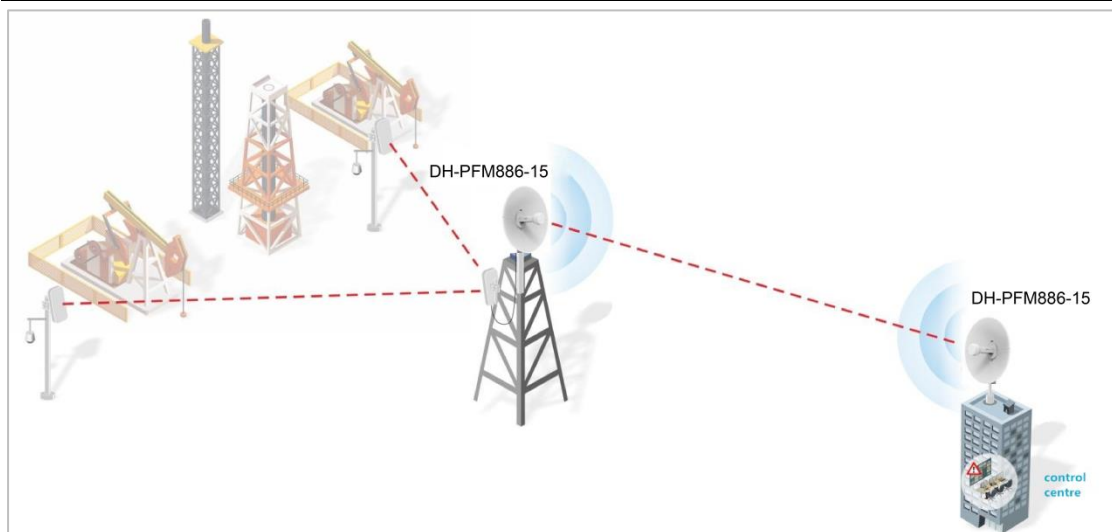
Wireless coverage for rural area.

Networking Mode

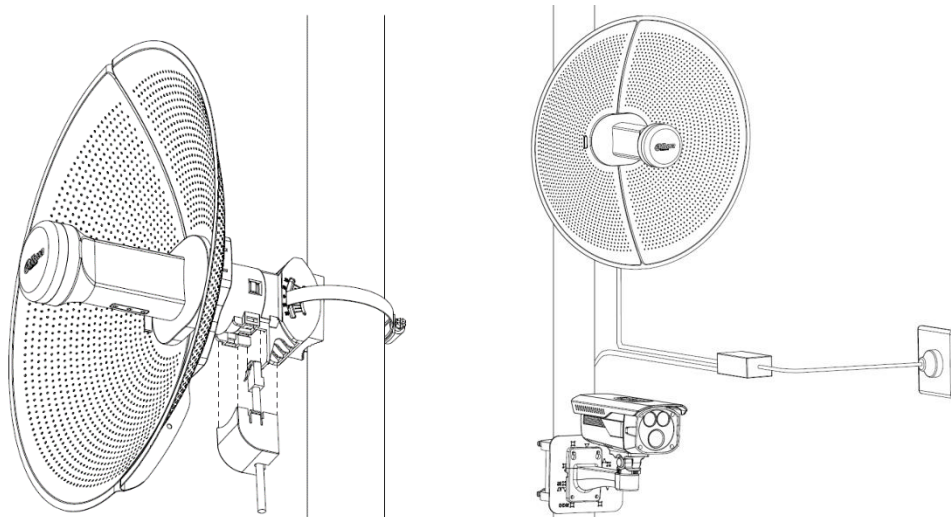
1. Point-to-Point Networking

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.

DH-PFM886-15



Connection Mode



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*Design and specifications are subject to change without notice.

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