

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

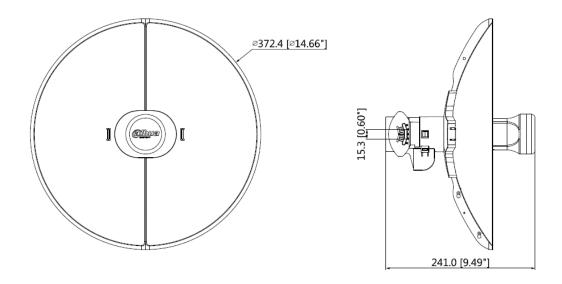
Model	DH-PFM886-15
Wireless Features	
Wireless Standard	IEEE802.11 a/n/ac
Working Frequency	5745~5825MHz (support frequency to extend, extended
	range: 4920~6100MHz)
Wireless Speed	867Mbps
Modulation Mode	OFDM
Antenna	23dBi
Output Power	27dBm (max)
Receiving Sensitivity	11a: 6Mbps -91 dBm 54 Mbps -72dBm
	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°C∼+85°C
Working Humidity	$5\%{\sim}95\%$ 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	Web, SNMP, Access Controller
Management	VVED, SIVIVIE, ACCESS COITHOHEI
Firmware Update	Web, Access Controller
Bandwidth Flexible Configuration	10/20/40/80MHz

Dimensions (mm)



DH-PFM886-15

 $Dimension (units:mm[inch"]): \oslash 372.4 [\oslash 14.66"]*241.0 [9.49"]$



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.

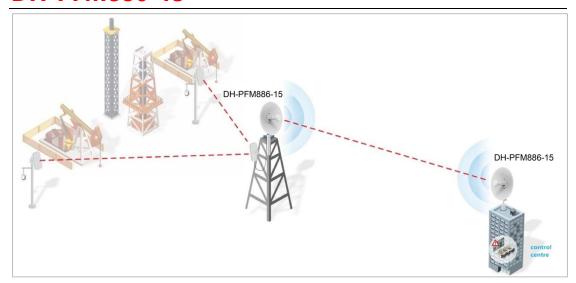
Networking Mode

1. Point-to-Point Networking

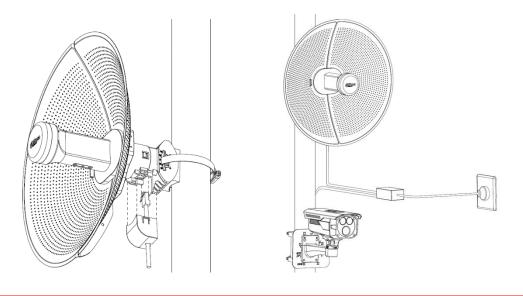
For point-to-point communication, generally a DH-PFM886-15 is set as access point, and the other DH-PFM886-15 is set as client, as demonstrated below.



DH-PFM886-15



Connection Mode



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 $\ensuremath{^{\star}}\xspace \textsc{Design}$ and specifications are subject to change without notice.

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