

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



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 Management | Web, SNMP, Access Controller |
| Firmware Update | Web, Access Controller |
| Bandwidth Flexible Configuration | 10/20/40/80MHz |

Dimensions (mm)



Dimension(units:mm[inch"]):0372.4[014.66"]*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.





Connection Mode



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*Design and specifications are subject to change without notice.

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