

DH-PFWB5-10n

5GHz N300 20dBi Outdoor Wireless CPE



Product Overview

Dahua's DH-PFWB5-10n delivers the highest performance and stability available in the 5 GHz CPE class. This product combines a highly advanced radio core containing MIMO 2x2 technology with an integrated, high-gain, dual polarization directional antenna. The feature-rich operating system is optimized for ultra-high performance wireless communications while optionally allowing compatibility with older 802.11 a standard devices.

The smart dynamic polling based protocol (TDMA) ensures reliable communication even in congested areas with 64 client devices connected to a base-station.

Equipped with Dahua's dual firmware image feature, remote software upgrades are assured even if a power failure interrupts the process. The device will restart using the prior firmware in the event of an upgrade failure

The enclosure is made of polycarbonate plastic with UV inhibitors to provide years of outdoor exposure in direct sunlight without cracking. The DH-PFWB5-10n was designed and tested to meet an IP-66 rating as well as vibration, temperature, drop, salt, fog, and electrical surge standards to ensure a high level of reliability unsurpassed in the industry. It is equipped with a grounding lug and a grounded 24-volt PoE to allow a professional installation, resistant to electrical surges.

Features

- · Integrated 5 GHz (2x2) MIMO radio
- Frequency 5.150- 5.850 GHz (FCC 5.150- 5.250 and 5.725- 5.850 GHz)
- · High performance and stability
- IP-66 standards rated enclosure
- Improved noise immunity
- TDMA ensures reliable communication
- Powerful OS
- Dual firmware
- Built-in tools including Site Survey, Link Test, Antenna Alignment, Spectrum Analyzer, Ping & Trace help in configuration and debugging
- Recommended for 0~5km PTP/PTMP wireless connection(as a station in PTMP link)

Technical Specification							
Model	DH-PFWB5-10n						
Wireless							
WLAN Standard	IEEE802.11 a/n						
Radio Mode	MIMO 2x2						
Radio Frequency Band	5.150 - 5.850 GHz (FCC 5.150 - 5.250 and 5.725 - 5.850 GHz)						
Transmit Power	Up to 29 dBm (country dependent)						
Receive Sensitivity	Varying between -97 and -75 dBm depending on modulation						
Channel Size	5,10, 20, 40 MHz						
Modulation Schemes	802.11 a/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)						
Data Rates	802.11 n: 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11 a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps						
Error Correction	FEC, Selective ARQ						
Duplexing Scheme	Time division duplex						
Transmission Distance	0-5km (recommended), max≥7km						
Antenna							
Туре	Integrated directional panel antenna						
Gain	20dBi						
Wired							
Interface	10/100 Base-T, RJ45						

Поставщик систем безопасности TELECAMERA.RU

Technical Specification					
Software					
Wireless Operating Modes	Access point (auto WDS), access point (TDMA2), access point (TDMA3), station (WDS, TDMA2,TDMA3), station (ARP NAT)				
Wireless Techniques	Smart station polling, smart auto-channel, adaptivauto modulation, automatic transmit power contraction (ATPC)				
Wireless Security	WPA/WPA2 personal, WPA/WPA2 enterprise, WACL, user isolation				
Wireless QoS	4 queues prioritization on TDMA				
Network Operating Modes	Bridge, router IPv4, router IPv6				
Network Techniques	Routing with and without NAT, VLAN				
WAN Protocols	Static IP, DHCP client, PPPoE client				
Services	DHCP server, SNMP server, NTP client, router advertisement daemon, ping watchdog				
Management	HTTP(S) GUI, SSH, SNMP read, Telnet				
Tools	Site survey, link test, antenna alignment, spectrum analyzer, ping & trace				
Physical					
Dimensions	185mm (Length)×185mm (width)×81mm (height)				
Weight	400 g				
Mounting	Combination wall / pole mount included				
Power					
Power Supply	12-24 VDC passive PoE (24 V passive PoE adapter is included in the package)				
Power Source	100 – 240V AC				
Power Consumption (max)	4.5W				
Environmental					
Operating Temperature	-30°C ∼ +70°C				
Humidity	0 ~ 90 % (non-condensing)				
Management					
System Monitoring	SNMP v1/2c/3 server, Syslogs, system alerts via e-mail and SNMP trap				
Regulatory					
Certification	FCC/CE				
Internal Antenna					
Frequency Range	5.1 – 5.9 GHz				
Gain	20 dBi				
Polarization	Dual linear				
Cross-pol Isolation	27dBi				
VSWR	<1.8				
Azimuth Beam Width (H pol)	10°				
Azimuth Beam Width (V pol)	10°				
Elevation Beam Width	10°				
Elevation beam Width	10				

Technical Specification											
Receive Sensitivity (dBm)	802.11n/ TDMA (20/40 MHz)	15 Mbps	30 Mbps	45 Mbps	60 Mbps	90 Mbps	120 Mbps	135 Mbps	150 Mbps		
		-97	-95	-93	-88	-85	-81	-79	-77		
		30 Mbps	60 Mbps	90 Mbps	120 Mbps	180 Mbps	240 Mbps	270 Mbps	300 Mbps		
		-94	-92	-89	-85	-82	-78	-77	-75		
	802.11a	6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps		
		-97	-97	-95	-93	-90	-86	-82	-81		
Output Power (dBm, combined)	802.11n/ TDMA (20/40 MHz)	15 Mbps	30 Mbps	45 Mbps	60 Mbps	90 Mbps	120 Mbps	135 Mbps	150 Mbps		
		29	28	28	28	27	27	25	24		
		30 Mbps	60 Mbps	90 Mbps	120 Mbps	180 Mbps	240 Mbps	270 Mbps	300 Mbps		
		28	28	28	28	26	26	24	23		
	802.11a	6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps		
		29	29	29	29	29	27	26	25		

Dimensions (mm)





