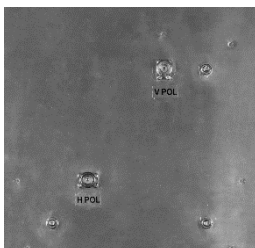


**Model: ARC-PD5820C01
5GHz 20dBi Standalone Dual Polarity Flat Panel Antenna**



Description

The ARC Wireless ARC-PD5820C01 is a professional high gain, dual polarized, outdoor rated flat panel antenna designed and optimized for use in the 5GHz frequency band. This innovative antenna has two N-type female ports, one for horizontal polarization and the other for vertical polarization, within the design of a single antenna package. This antenna is designed to work with any 5GHz AP platform.

The construction of the ARC-PD5820C01 features a rugged UV resistant and stabilized polymer radome giving it long lasting durability in outdoor environments. The antenna is supplied with a robust articulating mounting bracket allowing the antenna to be mounted to a wall or pole.

Features

- High performance design
- Excellent external antenna for any 5GHz AP
- Low profile and compact size
- Engineered for reliability
- Lightweight design
- High isolation for ideal MIMO performance

Applications

- 5GHz ISM and U-NII bands
- Wireless Internet Provider (WISP)
- Point-to-Point (PtP)
- IEEE 802.11 5GHz

Electrical Specifications

Frequency Range MHz	4940 - 5875
Gain, Typ/Max dBi	19.5 / 21.2
Polarization	Vertical & Horizontal
Horizontal HPBW (-3dB) Degree	17
Vertical HPBW (-3dB) Degree	17
Electrical Downtilt Degree	N/A
Front-to-Back Ratio dB	> 35
Cross-polarization Ratio dB	> 30
VSWR, Typ/Max	1.5:1 / 1.7:1
Return Loss, Typ/Max dB	14 / 11.5
Port-to-Port Isolation dB	< -25
Electrical Grounding	DC Ground
Input Power, Max W	30
Impedance Ohms	50

Mechanical Specifications

RF Connector Type	N-type Female
RF Connector Quantity	2
RF Connection Position	Back
Radome Material	UV ABS
Radome Color	Gray
Ingress Protection	IP66 NEMA 4
Wind Load, Frontal MPH/(km/h)	27 ft/lb (120N) @ 100 (160)
Wind Speed, Max MPH/(km/h)	125 / 201
Temperature Range F°/(C°)	-40 to +150 / (-40 to +60)

Bracket Specifications

Material Type	Zinc Plated Steel
Mechanical Tilt Degree	+/- 25
Mounting Type	Pole or Wall Mount
Mounting Pole Diameter in (mm)	0.75 to 2.0 (19.0 to 52.0)

Antenna Dimensions

Length in (mm)	10.4 (265)
Width in (mm)	10.4 (265)
Depth in (mm)	0.5 (12.7)
Weight, with Bracket lb (kg)	2.5 (1.1)

Packaging Specifications

Package Quantity	10 per Carton
Length in (mm)	18.7 (475)
Width in (mm)	12.2 (310)
Depth in (mm)	15.7 (400)
Weight lb (kg)	28.5 (12.9)

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