

Model: ARC-P24193C01
2.4GHz 19dBi Standalone Flat Panel Antenna



Description

The ARC Wireless ARC-PA2419C01 is a professional high gain, linear polarized, outdoor rated flat panel antenna designed and optimized for use in the 2.4 GHz frequency band. This innovative antenna has one N-type female port for vertical or horizontal polarization and the other for vertical polarization, within the design of a single antenna package. This antenna is designed to work with any 2.4GHz AP platform.

The construction of the ARC-PA2419C01 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 2.4GHz AP
- Low profile and compact size
- Engineered for reliability
- Lightweight design

Applications

- 2.4GHz ISM band
- Wireless Internet Provider (WISP)
- Point-to-Point (PtP)
- IEEE 802.11 2.4GHz

Electrical Specifications

Frequency Range MHz	2300 - 2500
Gain, Typ/Max dBi	18.5 / 19.2
Polarization	Vertical or Horizontal
Horizontal HPBW (-3dB) Degree	18
Vertical HPBW (-3dB) Degree	18
Electrical Downtilt Degree	N/A
Front-to-Back Ratio dBi	> 30
Cross-polarization Ratio dBi	> 30
VSWR, Typ/Max	1.5:1 / 1.7:1
Return Loss, Typ/Max dB	14 / 11.5
Port-to-Port Isolation dB	N/A
Electrical Grounding	DC Ground
Input Power, Max W	30
Impedance Ohms	50

Mechanical Specifications

RF Connector Type	N-type Male
RF Connector Quantity	1
RF Connection Position	Back
Radome Material	UV ABS
Radome Color	Gray
Ingress Protection	IP66 NEMA 4
Wind Load, Frontal MPH/(km/h)	41 ft/lb (182N) @ 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 Mount
Mounting Pole Diameter in (mm)	0.75 to 1.75 (19.0 to 44.5)

Antenna Dimensions

Length in (mm)	15.3 (389)
Width in (mm)	15.3 (389)
Depth in (mm)	1.2 (30.5)
Weight, with Bracket lb (kg)	3.5 (1.6)

Packaging Specifications

Package Quantity	10 per Carton
Length in (mm)	31.5 (800)
Width in (mm)	17.5 (445)
Depth in (mm)	17.7 (450)
Weight lb (kg)	38.5 (17.5)

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