



4.9-5.9 GHz 90° Sector Panel Antenna

PCTEL's dual slant polarization antenna covers frequencies from 4.9 to 5.9 GHz and offer excellent port-to-port isolation of 30 dB typical, with a VSWR of less than 1.5. It is housed in a rugged, off-white UV resistant radome and include an adjustable scissors-style pipe mount bracket that provides 0°-10° downtilt. This antenna is ideal for point-to-point Wi-Fi or DSRC networks.

Features

- Outstanding port to port isolation
- Great upper sidelobe suppression
- Adjustable scissors-style pipe mount bracket with 0-10° downtilt



SP4959-16XP90

STANDARD CONFIGURATION

Model	Connector	Mount	Radome
SP4959-16XP90	Type N Female	Adjustable nickel zinc trivalent plated steel pipe mount bracket (RoHS compliant)	Gray UV resistant plastic

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Frequency Range	Gain	VSWR	Azimuth Beamwidth	Elevation Beamwidth
4.9-5.4 GHz and 5.4-5.99 GHz	16.5 dBi 15.5 dBi	< 1.5	90° +/- 10%	5°

ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued

Front to Back Ratio	Upper Sidelobe Suppression	Nominal Impedance	Polarization	Port-to-Port Isolation
> 25 dB	30 degrees above horizon: > -15 dB	50 ohms	Linear dual slant +/- 45°	30 dB typical

MECHANICAL SPECIFICATIONS & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Weight	Rated Wind	Ingress Protection	Temperature Range
28 L x 6.7 W x 3.5 H in (711 x 171 x 90 mm)	7 lbs (3.1 kg)	125 mph	IP31	-40°C to 65°C -40° F to 149°F