

Ground Plane Independent, Low-Profile Dual-Band Wi-Fi Antenna

PCTEL's WLP2458NGP is a ground plane independent dual-band antenna for 802.11a, b, g, e Wi-Fi applications. It has a rugged, low-profile housing suitable for both indoor and outdoor installations. The antenna features IP67 ingress rating and it is terminated with a female TNC connector. Mating cable assemblies sold separately.

Features

- Ground plane independent design for maximum placement flexibility
- Dual-band performance covering 802.11 a, b, g, e standards
- UV-stable housing rated for indoor and outdoor applications
- IP67* rated prevents dust or water ingress into the antenna
- 3/4-inch through hole or bracket mount
- Optimized with a 1.5 m PFP-195 cable assembly with mating TNC male termination (sold separately). Other connector and cable length options available.



WLP2458NGP

STANDARD CONFIGURATION

Model	Connector	Mount
WLP2458NGP	TNC jack (purchase mating cable assembly separately)	¾-inch permanent through hole or bracket mount

ELECTRICAL SPECIFICATIONS

Frequency Range	Gain	VSWR	Average Power	Nominal Impedance	Polarization	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth
2.4-2.5 GHz 4.9-5.9 GHz	3 dBi (without a ground plane) 3.5 dBi (with a 60 cm ground plane)	< 2.0:1*	10 watts	50 ohms	Vertical, linear	360°	without a ground plane: 70° with a 60 cm ground plane: 50°

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Weight	Housing Material	Ingress Protection	Temperature Range
2.36 x 1.73 in (6.0 x 4.4 cm)	0.11 lbs (50 g)	White GE Lexan® EXL9330	IP67**	-40°C to +85°C

* Tested with a 1.5-meter PFP-195 cable. ** When installed according to the manufacturer's installation instructions.