

## 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.