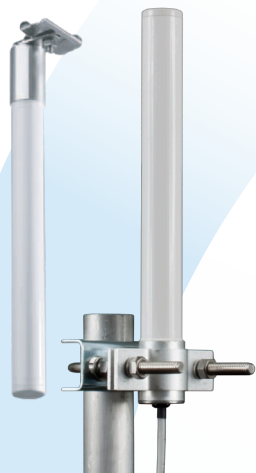


VERTICALLY POLARIZED OMNI ANTENNAS

S24512BPX



DUAL-BAND VERTICALLY POLARIZED OMNI ANTENNA

The wideband S24512BPX antenna offers full-band coverage for 802.11b/a/g/n and includes all hardware required to mount indoors or outdoors. The antenna provides the “no compromise” performance expected from a single-band radio system in a dual-band radio. While many dual-band antennas are a compromise between the two operating bands, the Laird Technologies S24512BPX provides full-band coverage and omnidirectional coverage over both bands. With a design assisted by Laird Technologies’ proprietary optimization tools, performance and value are unparalleled.

FEATURES

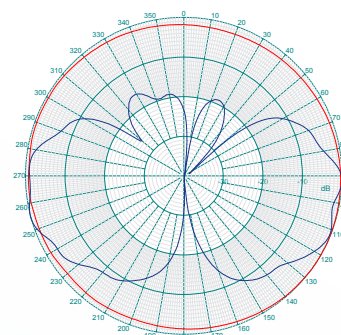
- Vertically polarized omnidirectional
- Rugged, lightweight and water resistant
- Compact size
- 2.4-2.5/5.1-5.85 GHz, full 802.11b/a/g/n wideband performance
- Choice of pigtail length and connector type

MARKETS

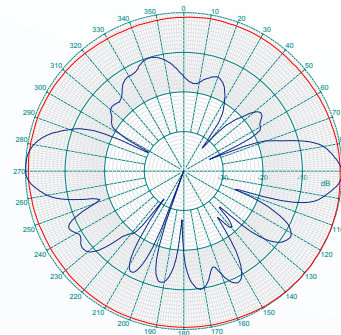
- Outdoor metropolitan mesh networks
- Enterprise WLAN networks
- Indoor/outdoor mast mounts
- High to medium density customer premise locations
- MIMO applications

Parameter	Performance
Frequency	2400-2500 /5150-5850 MHz
Gain	3 dBi Typical for 2.4 GHz 6 dBi Typical for 5.5 GHz
Input Impedance	50Ω
Elevation Plane Beamwidth	360°
Wind Surface Area	0.07 ft² (0.006 m²)
Wind Survivability	125 mph (200 kph)
Weight	0.30 lb (0.14 kg)
Height	9.6 in (24.5 cm)
Nominal Impedance	50 Ohms
VSWR	2.0:1
Power Handling	10 Watts
Radiating Element	PC board
Enclosure	Polycarbonate
Connector	Reverse polarity SMA (male) standard, other connectors available upon request
Cable Length	36" (91.4 cm) Plenum standard, other lengths available upon request

ANTENNA PATTERNS



2.4 GHz



5.5 GHz

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ANT-DS-S24512BPX 0910

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