



3X3 ELEMENT DUAL-BAND PANEL ANTENNA

Laird Technologies' S24517PT is a dual-band, directional sector antenna for use in 802.11n MIMO applications. Enclosed in a low-profile radome, the antenna is mounted using the included articulating mount. The mount can be affixed to a mast or anchored directly to a vertical surface.

Each of the three MIMO antenna elements are connected to the WLAN Access Point via a low loss, plenum-rated, coax pigtail. The radiation patterns are uniform and symmetrical, providing high-level signal density into defined coverage zones. This antenna will greatly enhance the performance of 802.11n systems. The dual-band frequency coverage means that a single type of antenna can be deployed with any MIMO radio in the 2.4-2.5 GHz and 5.1-5.9 GHz bands.

FEATURES

- Low profile housing
- Performance optimized using Laird Technologies' proprietary RF optimization tools
- Designed specifically to support 802.11n networks
- Various connector and coax lengths options available

MARKETS

- Hospital
- Campus
- Research Institute
- Public safety wireless systems
- Transport Terminals

PARAMETER	SPECIFICATION
Frequency (MHz)	2400 - 2500, 5150 - 5875
Gain (dBi)	8 @ 2450 MHz, 10.7 @ 5500 MHz
E-Plane (3 dB beamwidth)	75° @ 2.45 GHz / 55° @ 5.5 GHz
H-Plane (3 dB beamwidth)	70° @ 2.45 GHz / 60° @ 5.5 GHz
Polarization	Linear, 2 Vertical, 1 Horizontal
VSWR	2.0:1
Cable Length in. (mm)	36" (914) Plenum rated (other lengths available)
RF connector	Reverse SMA (3x)
Power (watts)	1
Radome	Polycarbonate
Dimensions in. (mm)	10.2 x 10.2 x 1.3 (259.1 x 259.1 x 33.5)
Weight (kg)	1.8
Wind Surface Area	@ 0°, 0.0067m ² / @ 90°, 0.009m ²
Wind survival	200 km/h
Operational temperature (C°)	-30° to +65°
Mount style (articulating)	Wall / mast
Water / dust seal rating	IP-67

global solutions: local support™

Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

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