



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°, 0.0067m² / @ 90°, 0.009m²
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

ANT-DS-S24517PT 0609

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2009 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.