



Smart Technology. Delivered.

S24517PT

MIMO Sector Antenna



3X3 ELEMENT DUAL-BAND PANEL ANTENNA

Laird's 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's 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

Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.



ANT-DS-S24517PT 0915

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird 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 or any third party intellectual property rights.