



S24517PT

2400-2500 MHz/5100-5900 MHz

The Laird Connectivity 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 greatly enhances 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 AND BENEFITS

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

APPLICATIONS

- Hospitals
- Campuses
- Research institutes
- Public safety wireless systems
- Transport terminals

ELECTRICAL SPECIFICATION

Model Name	S24517PT	
VSWR - Max	2.0:1	
Gain (dBi)	8.0	10.7
Max Power - Ambient 25°C (W)	1	
Polarization	Linear, 2 Vertical, 1 Horizontal	
Vertical Plane 3 dB Beamwidth Port 1	75°	55°
Horizontal Plane 3 dB Beamwidth Port 1	70°	60°

MECHANICAL SPECIFICATION

Dimensions - mm (inches)	259.1 x 259.1 x 33.5 (10.2 x 10.2 x 1.3)
Weight - kg (lbs.)	1.8 (2.2)
Mounting (articulating)	Wall/mast
Cable Type	Plenum rated
Radome Material	Polycarbonate

ENVIRONMENTAL SPECIFICATION

Operating Temperature - °C (°F)	-30 to +65°C (-22 to +149°F)
Wind Surface Area @ 0°/90° - m2 (ft.2)/m2 (ft.2)	0.0067 (0.72)/0.009 (0.097)
Wind Survival - km/hr (mph)	200 (124)
Ingress Protection Rating	IP67
Material Substance Compliance	RoHS

CONFIGURATION

PART NUMBER	CABLE LENGTH	CONNECTOR
S24517PT	914.0 mm (36.0 in.)	Reverse SMA (3x)

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

TE, and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE Connectivity 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 TE Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE Connectivity product is installed. Useful lifetime of the original end product may vary but is not warranted to exceed one (1) year from the original date of the end product purchase.

©2022 TE Connectivity. All Rights Reserved.

08/22 Original