



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 SPECIFICATIONS

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 SPECIFICATIONS

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 SPECIFICATIONS

Operating Temperature – °C (°F)	-30 to +65°C (-22 to +149°F)
Wind Surface Area @ 0°/90° – m ² (ft. ²)/m ² (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)



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