



Smart Technology. Delivered.™

Small Cell & High Density Wifi

Laird designs and manufactures customized, performance-critical products for wireless and other advanced electronics applications.





The Mobility Challenge

Consumer and business demand for high-speed wireless access driven by tablets, smart phones and bandwidth intensive video and content rich applications has created the need for greater capacity in operator controlled wireless networks. As the user base grows and new types of network enabled devices and applications come online consumer and business users depend on and demand high performance, high capacity wireless service. For in-building and entertainment venue applications with a high concentration of wireless device users Laird meets and exceeds the mobility challenge with a broad portfolio of performance engineered in-building and outdoor antenna solutions designed to deliver increased, highly reliable wireless network capacity and coverage.

3G / 4G & LTE Solutions



CFS69271

Indoor Ceiling Surface
1-Port SISO Omni
Vertical Pol
698-960 / 1710-2700 MHz
698-960 MHz 3 dBi Gain
1710 - 2170 MHz 3 dBi Gain
2500-2700 MHz 4.5 dBi Gain



OC69271

Indoor / Outdoor
1-Port SISO Omni
Vertical Pol
698-960 / 1710-2700 MHz
698-960 MHz 1.5 dBi Gain
1710 - 2170 MHz 3.5 dBi Gain



CMS69373

Indoor Ceiling
1-Port SISO Omni
Vertical Pol
698-960 / 1710-2700 MHz
698-960 MHz 1 dBi Gain
1710 - 2170 MHz 3 dBi Gain



CMS69373P

Indoor Ceiling
1-Port SISO Omni
Low PIM <153 dBi
Vertical Pol
698-960 / 1710-2700 MHz
698-960 MHz 2.6 dBi Gain
1710 - 2170 MHz 3.5 dBi Gain



PAV69278I

Indoor
1-Port SISO Directional
Vertical Pol
698-960 / 1710-2700 MHz
698-960 MHz 8 dBi Gain
1710 - 2170 MHz 8 dBi Gain



PAV69278PI

Indoor
1-Port SISO Directional
Vertical Pol
698-960 / 1710-2700 MHz
698-960 MHz 8 dBi Gain
1710 - 2170 MHz 8 dBi Gain



CMD69273

Indoor Ceiling
2-Port MIMO Omni
Vertical & Horizontal Pol
698-960 / 1710-2700 MHz
698-960 MHz 3 dBi Gain
1710 - 2170 MHz 5 dBi Gain



CMD69273P

Indoor Ceiling
2-Port MIMO Omni
Low PIM <- 154 dBi
Vertical & Horizontal Pol
698-960 / 1710-2700 MHz
698-960 MHz 3 dBi Gain
1710 - 2170 MHz 5 dBi Gain



PAS69278

Indoor/Outdoor
2-Port MIMO Directional
Slant ± 45 degree Pol
698-960 / 1710-2700 MHz
698-960 MHz 7.5 dBi Gain
1710 - 2170 MHz 9.5 dBi Gain



PAS69278P

Indoor/Outdoor
2-Port MIMO Directional
Low PIM <- 151 dBi
Slant ± 45 degree Pol
698-960 / 1710-2700 MHz
698-960 MHz 8.7 dBi Gain
1710 - 2170 MHz 9.7 dBi Gain



SL69273PT

Indoor Ceiling
3-Port Omni
Vertical Pol
698-960 / 1710-2700 MHz
Port 1 698-806 / 1710-2170 - 3 dBi Gain
Port 2 824-894 / 1850-1990 - 2 dBi Gain
Port 3 2500-2700 MHz 2 dBi Gain



CMX69273P

Indoor Ceiling
2-port MIMO Omni
Low PIM <-154 dBi
Vertical & Horizontal Pol
698-960 / 1710-2700 Mhz
698-960 MHz 4.1 dBi Gain*
1710 - 2700 2.9 dBi Gain*

*Average typical gain across frequency band



CMQ69273P

Indoor Ceiling
4-port MIMO Omni
Low PIM <-153 dBi
Vertical & Horizontal Pol
698-960 / 1710-2700 Mhz
698-960 MHz 4.3 dBi gain*
1710 - 2700 MHz 4.7 dBi gain*

*Average typical gain across frequency band



CLS69273

Indoor Ceiling
Single Port
Vertical Pol
698-960 / 1695-2700 MHz
698-960 MHz 4.1 dBi Gain
1695-2700 MHz 7.3 dBi Gain



CLS69273P

Indoor Ceiling
Single Port
Low PIM <-156 dBi
Vertical Pol
698-960 / 1695-2700 MHz
698-960 MHz 3.0 dBi Gain
1695-2700 MHz 7.3 dBi Gain

High Density WiFi Solutions



S24493TS

Indoor Ceiling-Surface
3-Port MIMO Omni
2400-2500 MHz
4900-5875 MHz
2.x GHz 3 dBi Gain
5.x GHz 4 dBi Gain



OP51508T

Indoor-Outdoor IP-67
3-Port MIMO Omni
5150-5875 MHz
8 dBi Gain



CMM24513S4

Indoor Ceiling
4-Port MIMO Omni
2400-2500 MHz
5150-5875 MHz
6 dBi Gain



S2451DBT

Indoor Ceiling
6-Port MIMO Omni
3 Ports - 2400-2500 MHz
3 Ports - 5150-5875 MHz
2 dBi Gain



OP24516SX

Indoor-Outdoor IP-67
6-Port MIMO Omni
3 Ports - 2400-2500 MHz
3 Ports - 5150-5875 MHz
2.x GHz 4 dBi Gain
5.x GHz 6 dBi Gain



OP24516DS

Indoor-Outdoor IP-67
6-Port MIMO Omni
2400-2500 MHz
5150-5875 MHz
2.x GHz 4 dBi Gain
5.x GHz 6 dBi Gain



S24517PT

Indoor-Outdoor IP-67
Directional
3-Port MIMO
2400-2500 MHz
5150-5875 MHz
2 Ports Vertical Pol
1 Port Horizontal Pol
2.x GHz 8 dBi Gain
5.x GHz 10 dBi Gain



PDM24519

Indoor-Outdoor IP-67
Directional
3-Port MIMO
2400-2500 MHz
5150-5875 MHz
2 Ports Vertical Pol
1 Port Horizontal Pol
2.x GHz 8 dBi Gain
5.x GHz 9 dBi Gain



S245112PT

Indoor-Outdoor IP-67
Directional
3-Port MIMO
2400-2500 MHz
5150-5875 MHz
2 Ports Vertical Pol
1 Port Horizontal Pol
2.x GHz 10.9 dBi Gain
5.x GHz 13.5 dBi Gain



PDM245115H

Indoor-Outdoor IP-67
Directional
4-Port MIMO
2400-2500 MHz
5150-5875 MHz
2 Ports Vertical Pol
2 Ports Horizontal Pol
2.x GHz 14 dBi Gain
5.x GHz 14.5 dBi Gain



PVM245110

Indoor - Outdoor IP67 3-port MIMO
Directional 3-port Vertical Pol
2400-2500 Mhz
5150-5900 MHz
2.X GHz 9 dBi Gain*
5.X GHz 8.5 dBi Gain*
Average typical gain across frequency band



PDQ244915

Indoor-Outdoor IP67
Directional
4-Port MIMO
2400-2500 MHz
4900-5950 MHz
2 Ports Vertical Pol
2 Ports Horizontal Pol
2.X GHz 11.1 dBi Gain
5.X GHz 15.0 dBi Gain

What Sets Us Apart



MISSION

A trusted partner delivering technology to the world through innovation, speed, & reliable fulfillment.



VISION

A world where smart technology enables virtually everything to sense, think and communicate; transforming our way of life and empowering us to do more than we can imagine



CULTURE

Working as a global team of talented individuals to make a difference for our employees, business partners and our world

We have an unwavering commitment to being honest and ethical in all situations and treating each other with dignity and respect.

We create an open and engaging environment that thrives on high energy, adaptability and delivering on our commitments.

Laird is a place with great opportunities for personal and professional growth for those who work hard, are willing to learn and deliver results.

29

engineering and manufacturing sites globally

18

customer/market awards in 2013-14

10Bn parts supplied to one client

115+ year heritage

9,000 employees in **50** locations covering **5** continents and **19** countries across the globe



DESIGN



RAPID PROTOTYPING



PRODUCTION



SCALE



SOFTWARE



SYSTEM INTEGRATION



SERVICE

Why Choose Laird?

Laird antenna solutions help you meet and exceed the mobility challenge with a broad portfolio of performance engineered in-building and outdoor solutions designed to deliver increased, highly reliable wireless network capacity and coverage.

Laird provides systems, components and solutions that protect electronics from electromagnetic interference and heat, and that enable connectivity in mission critical systems through wireless applications and antenna systems.

We are a leader in the design, development and delivery of innovative technologies that enable people, organizations and applications to connect efficiently and effectively. With a proud history stretching back to 1824, Laird has been at the forefront of technological innovation for almost two centuries. And we continue to deliver.

Our reputation has been built on three guiding principles:

- Innovation- putting our in-depth knowledge of the latest materials and processes to work in creating outstanding products for our customers.
- Reliable fulfillment – delivering what our customers need to their exact specifications, on time and on budget, and in the quantities required.
- Speed- rationalizing the design and delivery cycle to minimize the time from initial concept to final implementation.





Smart Technology. Delivered.™

www.lairdtech.com

Americas: +1.847.839.6925

IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941

IAS-EUSales@lairdtech.com

Asia:

IAS-AsiaSales@lairdtech.com

Middle East and Africa: +44.1628.858941

IAS-MEASales@lairdtech.com

IAS-BRO_SMALL CELL & HIGH DENSITY_0416

Any information furnished by Laird 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, Laird Technologies, Inc or any of its affiliates or agents shall not be liable for incidental or consequential damages of any kind. All Laird 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 2016 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks 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 or any third party intellectual property rights.

