



2.4-2.5 & 4.9-5.85 GHz VEHICULAR MIMO ANTENNA

The Laird vehicular MIMO antenna covers the 2.4 to 2.5 GHz and 4.9 to 5.85 GHz frequency ranges, as well as GPS (1575 MHz). Multiple configurations are available from 3-port, dual-band elements to 1-port, single-band at 4.9 GHz with integrated GPS. Cable options include low-loss cables (LMR195 and LMR240) or RG58 cables. The housing incorporates a low-profile, rugged design that conforms to IP67 standards. The antenna also features high impact, UV-resistant polycarbonate plastic available in black or white.

ELECTRICAL SPECIFICATIONS

PARAMETER	
Frequency	2.4 to 2.5 GHz & 4.9 to 5.9 GHz
Gain	4 dBi Peak
VSWR	<2:1
Nominal Impedence	50 Ohm
Polarization	Vertical
Pattern	Omnidirectional
Max Power	25 Watts
GPS Center Frequency	1575.52 MHz
GPS Polarization	RHCP
GPS Absolute Gain	26 dBi (max)
GPS Supply Voltage	5.5 VDC $\pm$ 0.2 V

PHYSICAL SPECIFICATIONS

PARAMETER	
Size	5 in OD x 1.25 in height
Radome Material	High Impact PC UV Stabilized
Color	Available in Black or White
Termination	LMR195, LMR240, LMR100 or RG58 Cables 1 – 20 ft with Optional Connectors (subject to configuration & performance requirement limitations)
Mounting Requirements	5/8" & 3/4" Prep Holes (dependent on configuration chosen)

PART NUMBERS

PART NUMBER	
VMD24493RSM-366	MIMO, 2-Port, 802.11N, 3dBi, 12ft, RP-SMA
VMD24493RSM-518	MIMO, 2-Port, 802.11N, 3dBi, 17ft, RP-SMA
VMD24493RSM-610	MIMO, 2-Port, 802.11N, 3dBi, 20ft, RP-SMA
VMT24493RSM-366	MIMO, 3-Port, 802.11N, 3dBi, 12ft, RP-SMA
VMT24493RSM-518	MIMO, 3-Port, 802.11N, 3dBi, 17ft, RP-SMA
VMT24493RSM-610	MIMO, 3-Port, 802.11N, 3dBi, 20ft, RP-SMA
VMG24493RSM-366	MIMO, 2-Port w/GPS, 802.11N, 3dBi, 12ft, RP-SMA
VMG24493RSM-518	MIMO, 2-Port w/GPS, 802.11N, 3dBi, 17ft, RP-SMA
VMG24493RSM-610	MIMO, 2-Port w/GPS, 802.11N, 3dBi, 20ft, RP-SMA

Americas: +1.847.839.6925
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-VEHICULAR-MIMO 1115

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 trademarks or registered trademarks 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.