



2.4-2.5 & 4.9-5.85 GHz VEHICULAR MIMO ANTENNA

The Laird Technologies 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

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ANT-DS-VEHICULAR-MIMO 0313

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