



Shown with optional magnetic base



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## 2.4GHz Mobile Antenna 2400 to 2485 MHz Operation

The 7dBi omnidirectional mobile antenna offered by Laird Technologies are constructed of stainless steel base for long service life. Available mounts include small and large magnetic mounts, through-hole surface mounts as well as trunk lid mounts. The antennas are vertically polarized. They come with a N male connector as standard to mate with various mounts. The optional mounts come with 10 ft. of RG-58 cable with N female Connectors. Alternate connector configurations are available by request.

Note: The antennas must be mounted on a metal surface at least 1 Meter diameter for best performance.

### Features and Benefits:

- 2.4GHz omnidirectional mobile antennas
- 7dBi gain
- Magnetic mounts ,trunk lid and surface mounts available

### Applications

- 2.4 GHz ISM band applications
- 2.4 GHz mobile applications
- Point to multi-point systems
- Vehicular antenna

For sales information:

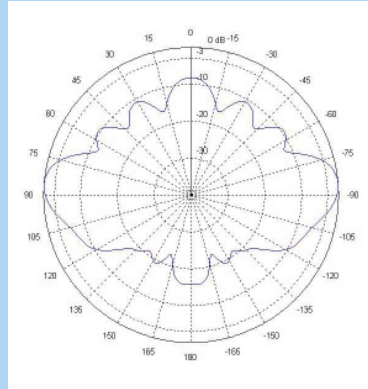
Telephone 801-572-3024

E-Mail [sales@pacwireless.com](mailto:sales@pacwireless.com)

or visit: [www.pacwireless.com](http://www.pacwireless.com)

## Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	2400		2485	MHz
Input Return Loss (S11)		-14		dB
VSWR		1.5:1		
Impedance		50		OHM
Input Power			50	W
Operating Temperature	-45		+70	Deg C



Antenna Pattern (E-Plane) at 2450Mhz

2400 - 2485 MHz	MA24-7N	MM-90N	MM-110N	MM-TMN	MM-SM-LPN	MM-SMN
Gain	7dB	Antenna Mounts				
Weight	6.4 Oz (200 g)	1.5Lb ( 0.55Kg)	2.1Lb (0.8Kg)	.7Lb (0.32Kg)	.5Lb (0.23Kg)	.5Lb (0.23Kg)
Dimension	12 in (30 cm)	3.5" (90mm) Dia	4.3" (110mm) Dia	3" (76mm)	1.5"x1.25" (38 x 32mm)	1.75" x 2" (44 x 51mm)
Cable Length	10' (3.5M) RG-58/U					
Connector	N Male	N Female	N Female	N Female	N Female	N Female



MM-90N / MM-110N  
Magnetic mount



MM-SMN-LP  
Through-hole mount



MM-SMN  
Through-hole mount



MM-TMN  
Trunk lid mount

## System Ordering:

MA24-7N	7dBi 2.4GHz mobile antenna with N male connector
MM-90N	3.5" diameter magnetic mount, 10' RG-58 cable with N female connector
MM-110N	4.3" diameter magnetic mount, 10' RG-58 cable with N female connector
MM-TMN	Trunk lid mount for mobile antennas, 10' RG-58 cable with N female connector
MM-SM-LPN	Low profile through-hole surface mount for mobile antennas, 10' RG-58 cable with N female connector
MM-SMN	Through-hole surface mount for mobile antennas, 10' RG-58 cable with N female connector

## Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

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