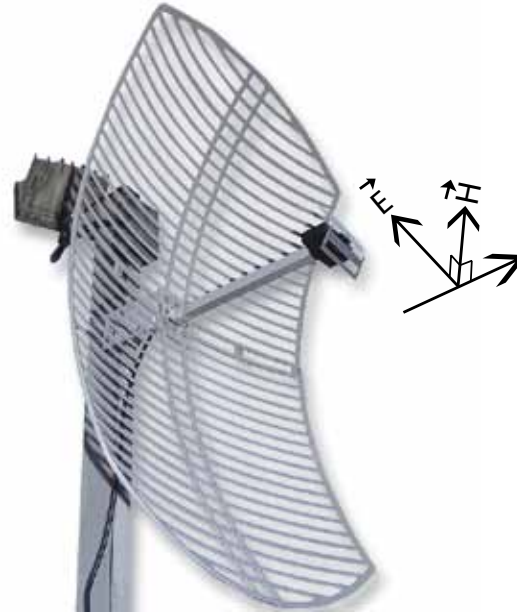


## LP-PAR2415 Semi-Parabolic Die-Cast Grid type Antenna, 15 dBi Gain 2400 MHz.

LPPAR2415\_SS\_ENB01W

### Features

- Superior Performance.
- Small Size/Reduced Shipping Cost.
- 100 W Passive Feed Dipole.
- Type N-Female Connector. 80" pigtail.
- 15 dBi Antenna Gain.
- Horizontal or Vertical Polarity.
- Rugged, Lightweight and Waterproof.
- Heavy Duty Adjustable Tilt Bracket.
- 2-Piece Powder Coat Painted Die Cast Aluminum Grid.
- Easy to assemble.
- 2.4 GHz ISM Band.
- IEEE 802.11b, 802.11g Wireless LAN & IEEE 802.11n (Pre-N, Draft-N) Applications.
- WiFi Systems & Long-range Directional Applications.
- Point to Point Systems & Point to Multi-point Systems.
- Wireless Bridges, Backhaul Applications & Wireless Video Systems.



## LP-PAR2415 Semi-Parabolic Die-Cast Grid type Antenna, 15 dBi Gain 2400 MHz.

The LP-PAR2415 is a directional antenna system with 15dBi gain and 12° of horizontal beam-width for directional applications.

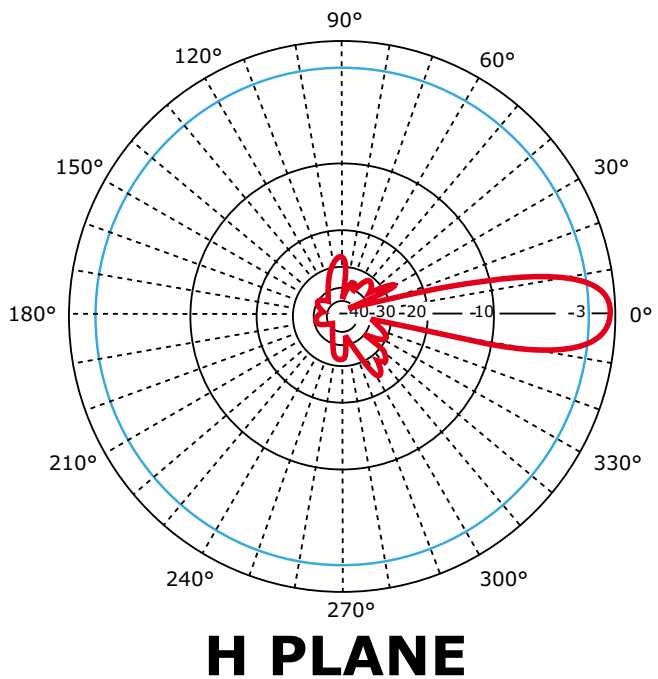
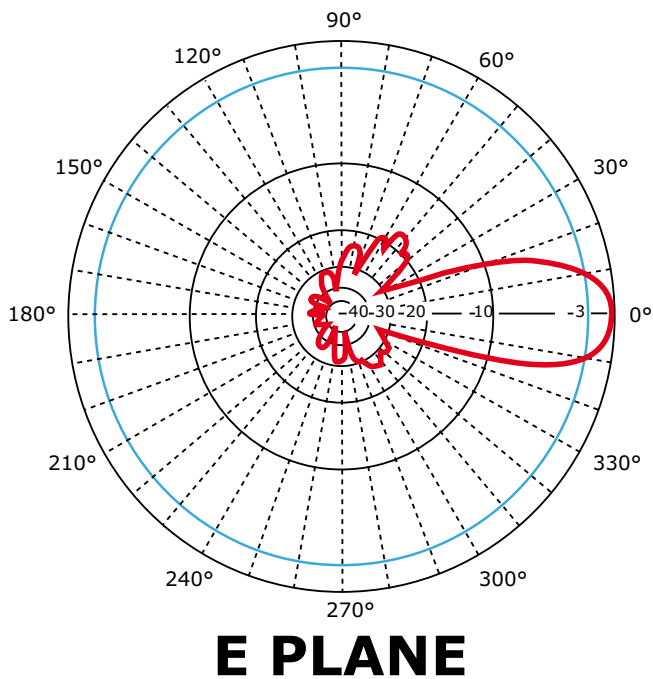
It is rugged and weatherproof and almost invisible to the bare eye. It incorporates a two piece aluminum die cast parabolic grid type antenna reflector, very lightweight and strong with the PMPF, a patented 50-ohm passive feed dipole and can be installed for horizontal or vertical polarization applications.

Installation is simple with the LanPro adjustable "Heavy Duty" bracket that comes standard and lets the installer to adjust tilt and swivel angles of up to 60 degrees. The bracket accommodates poles from 1.25" up to 2" OD. Brackets are 100% aluminum for extreme corrosion protection and each reflector comes complete with stainless steel hardware and assembly instructions. Comes with a 30.48cm (12") pigtail terminated in a N-female connector.

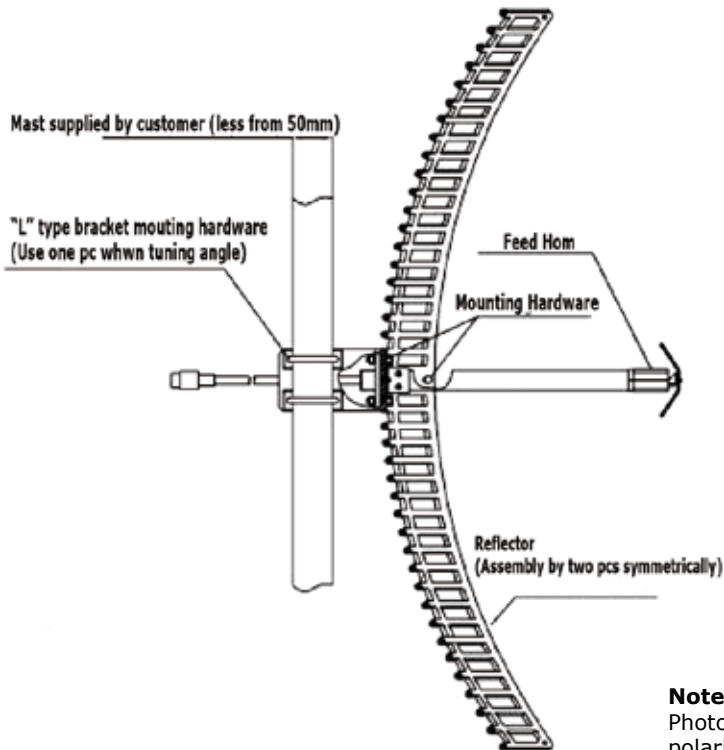
**A Specifications**

<b>Model</b>	<b>LP-PAR2415</b>							
<b>Frequency Range</b>	2400-2483 MHz							
<b>Bandwidth</b>	83 MHz							
<b>Gain</b>	15 dBi							
<b>Horizontal Beamwidth</b>	16° (H)							
<b>Vertical Beamwidth</b>	21° (E)							
<b>F/B Ratio</b>	>20dB							
<b>V.S.W.R.</b>	<1.5:1 avg.							
<b>Nominal Impedance</b>	50 Ohm							
<b>Polarization</b>	Vertical or Horizontal							
<b>Max. Power</b>	100 Watt							
<b>Lightning protection</b>	DC Short							
<b>Connector</b>	30.48 cm(1ft) N Female pigtail							
<b>Dimensions</b>	11.8" (300mm) x 15.7" (400mm)							
<b>Weight</b>	3 lbs (1.4 Kg)							
<b>Mounting</b>	+-60 degree tilt and swivel mast mount kit							
<b>Mounting Mast Diameter (Max)</b>	1.25 in. thru 2 in. (31.8-50.8 mm)							
<b>Wind Loading Data</b>	<table border="1"> <thead> <tr> <th>Speed (MPH)</th> <th>Loading</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>10.0 lib.</td> </tr> <tr> <td>120</td> <td>15.6 lib.</td> </tr> </tbody> </table>	Speed (MPH)	Loading	100	10.0 lib.	120	15.6 lib.	
Speed (MPH)	Loading							
100	10.0 lib.							
120	15.6 lib.							
<b>Elevation Angle</b>	0 to +15°							
<b>Operating Temperature</b>	-40° C to 85° C , (-40° F to 185° F)							
<b>RoHS Compliant</b>	Yes							

**LP-PAR2415 2.4GHz 15dBi Semi Parabolic Antenna Pattern**



## Assembly Sketch



**Note:**  
Photos and sketch show horizontal polarization of the dipole and reflector.

## B Installation

1. Assembly the two pieces of the reflector symmetrically.
2. Mount the feed horn on the reflector according to the sketch drawing. Make sure the feed dipole is parallel with most bars of the grid reflector. When the feed dipole and most grid bars are vertical to the ground, the antenna is vertically polarized. When the feed dipole and most grid bars are horizontal to the ground, the antenna is horizontally polarized.
3. Mount the "L" type bracket at the back of the reflector, then mount the antenna on the mast supplied by customer according to sketch drawing.
4. Test the antenna with equipment to make sure the antenna receives the best signal by tuning the azimuth and pitch angle, then lock all the screws and seal the connector between the antenna and cable.

## C How to Order

**LP-PAR2415 Semi-Parabolic Die-Cast Grid type 15 dBi Gain Antenna**