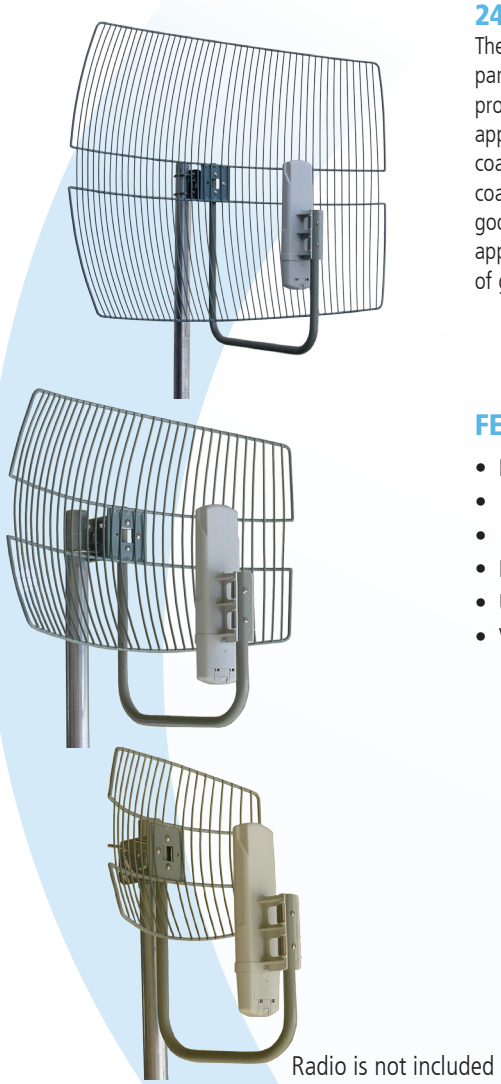
Laird TECHNOLOGIES®

Innovative **Technology** for a **Connected** World

Grid Dish Gain Booster Antenna

GDxx-MT



Radio is not included

2400 TO 5850 MHz GRID DISH GAIN BOOSTER ANTENNA

The parabolic grid gain booster directional antennas offered by Laird Technologies utilize a unique patented parabolic grid design especially suited for increasing gain and effective range of Motorola Canopy™ products. The grid reflectors can be used with access points (AP) or subscriber units (SM) or for backhaul applications. The antennas are constructed of welded steel wires which are galvanized and then powder coat painted with light gray epoxy paint. The mounting arm is heavy duty galvanized steel with powder coat paint. The wire grid semi-parabolic design offers unsurpassed low wind loading while maintaining good RF performance. The compact, low visual impact, attractive styling blends well in almost any application. Mounting is simplified with the Laird Technologies heavy duty bracket system made of galvanized steel with stainless steel hardware.

FEATURES ✓RoHS

- For Motorola Canopy™ products
- 19 dBi, 24 dBi, or 27 dBi total system gain @ 5 GHz
- 14 dBi, 18 dBi, or 22 dBi total system gain @ 2.4 GHz
- Rugged and weatherproof
- Ultra low wind loading and low visual impact
- Vertical polarization

MARKETS

- 2.4 GHz to 5 GHz wireless LAN
- Point-to-point backhaul
- Increased range for clients
- Directed access point applications
- WiMAX

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SPECIFICATIONS

PARAMETER	GD22-MT	GD26-MT	GD29-MT
Frequency range	2400-5850 MHz	2400-5850 MHz	2400-5850 MHz
Total gain @ 5 GHz (includes canopy gain)	19 dBi	24 dBi	27 dBi
Total gain @ 2.4 GHz (includes canopy gain)	14 dBi	18 dBi	22 dBi
3 dB beamwidth @ 5 GHz	12° vert, 8° hor	8° vert, 6° hor	5° vert, 4° hor
3 dB beamwidth @ 2.4 GHz	21° vert, 17° hor	17° vert, 11° hor	10° vert, 8° hor
Front-to-back @ 5 GHz	18 dB	22 dB	22 dB
Front-to-back @ 2.4 GHz	17 dB	22 dB	25 dB
Xpol rejection @ 5 GHz	-30 dB	-29 dB	-26 dB
Xpol rejection @ 2.4 GHz	-21 dB	-32 dB	-26 dB
Operating temperature	-40° to +70°C	-40° to +70°C	-40° to +70°C
Pole size	1 - 2 in (25 - 50 mm)	1 - 2 in (25 - 50 mm)	1 - 2 in (25 - 50 mm)
Weight	3 lbs (1.4 kg)	6 lbs (2.7 kg)	11 lbs (5 kg)
Dimension (W x L)	11.8 x 15.7 in (300 - 400 mm)	16.8 x 24 in (427 - 610 mm)	28.5 x 36 in (724 - 914 mm)
Bracket tilt	+/- 45°	+/- 45°	+/- 45°

WIND LOADING (LBS.)

MODEL	100 MPH	125 MPH	100 MPH WITH ½ IN RADIAL ICE
GD22-MT	10 lbs	16 lbs	48 lbs
GD26-MT	20 lbs	31 lbs	99 lbs
GD29-MT	41 lbs	64 lbs	257 lbs

SYSTEM ORDERING

GD22-MT	2.4-5.8 GHz 15 inch gain booster directional antenna
GD26-MT	2.4-5.8 GHz 24 inch gain booster directional antenna
GD29-MT	2.4-5.8 GHz 36 inch gain booster directional antenna

NOTES

- All shipments F.O.B. Schaumburg, IL 60173

Ultra-stable stainless steel mounting clamp system