

Grid Dish Gain Booster Antenna

GDxx-TR



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 TrangoFOX™ products. 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

- Gain booster for TrangoFOX™ 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 or horizontal 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-TR | GD26-TR | GD29-TR |
|-----------------------|----------------------------------|--------------------------------|--------------------------------|
| Frequency range | 2400-5850 MHz | 2400-5850 MHz | 2400-5850 MHz |
| Total gain @ 5 GHz | 19 dBi | 24 dBi | 27 dBi |
| Total gain @ 2.4 GHz | 14 dBi | 18 dBi | 22 dBi |
| 3dB beamwidth | 12° vert, 8° hor | 8° vert, 6° hor | 5° vert, 4° hor |
| Front-to-back | 18 dB | 22 dB | 22 dB |
| Xpol rejection | -30 dB | -29 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-TR | 10 lbs | 16 lbs | 48 lbs |
| GD26-TR | 20 lbs | 31 lbs | 99 lbs |
| GD29-TR | 41 lbs | 64 lbs | 257 lbs |

SYSTEM ORDERING

| | |
|---------|--|
| GD22-TR | 2.4-5.8 GHz 15 inch gain booster directional antenna |
| GD26-TR | 2.4-5.8 GHz 24 inch gain booster directional antenna |
| GD29-TR | 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



ANT-DS-GDxx-TR 1111

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