



# TELGUARD



## HGD-0 Antenna

Model Number: HGD-0 High Gain Log Periodic Dipole Array

Telguard's HGD-0 high gain wideband directional antenna supports all Telguard Cellular Alarm Communicators.

### Features:

- High gain, minimum 8 dBi, typically better than 10 dBi
- All purpose, covers the four major cellular frequency bands from 824 MHz to 1990 MHz
- Robust and weatherproof
- Unobtrusive, looks like a UHF TV antenna or data link antenna

### Specifications:

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#### Product Code:

HGD-0 Telguard Digital High Gain Antenna

#### Electrical:

|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Gain                            | 8.0 dBi minimum; 9 - 12 dBi typical             |
| Frequency Bands                 | 824 - 1000 and 1700 - 2000 MHz                  |
| VSWR                            |                                                 |
| Transmit sub-bands              | < 1.5:1                                         |
| Receive sub-bands               | < 2.0:1                                         |
| Front to Back Ratio (F/B Ratio) | > 16 dB (nom)                                   |
| Feed power handling             | 10 W                                            |
| Nominal input impedance         | 50 Ohms                                         |
| Connector                       | TNC male on short coax (30 - 50 cm)             |
| Polarization                    | Linear (vertical when clamped to vertical pole) |

#### Mechanical:

|                                |                                           |
|--------------------------------|-------------------------------------------|
| Mounting                       | Pole mount, maximum diameter: 50 mm (2")  |
| Approx. Dimensions (l x w x h) | 1020 mm x 200 mm x 50 mm (40" x 7¾" x 2") |
| Weight (including bracket)     | 1.2 kg (2¾ lbs) maximum                   |



TELGUARD

EXD-0

Antenna



External High Gain  
Antenna

## EXD-0 Antenna

Model Number: EXD-0 Low Profile Dual Band Cellular/PCS Digital Antenna

### The EXD-0 Includes:

- Antenna with integral radial ground plane
- Connector
- Mounting Bracket

### Technical Data: (800-900 MHz)

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|                       |                               |
|-----------------------|-------------------------------|
| Gain:                 | 3 dB-MEG                      |
| Frequency Range:      | 821-896 MHz<br>1850- 1990 MHz |
| VSWR:                 | <1.8:170 MHz                  |
| Polarization          | Vertical                      |
| Pattern               | Omni-Directional              |
| Maximum Power         | 150 watts, 100 watts NGP      |
| Bandwidth             | >70 MHz                       |
| Impedance             | 50 ohms                       |
| Height                | 2½"                           |
| Weight                | ¼ lb.                         |
| Material              | High Heat ABS                 |
| Operating Temperature | -40°C to 85°C                 |



TELGUARD

ACD-12/35/50/100ft

RF Cable



Low Loss, High  
Performance Cable

CTX-12

Antenna Cable



SMA to TNC Connector  
for the TG-1 Express