

BC90-XG Series

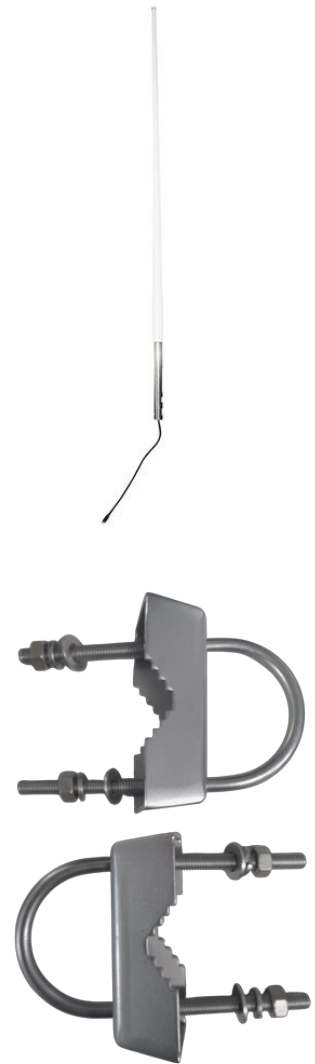
LTE 900 MHz Omni Base Station Antenna Series

The BC90-XG series offers high gain antennas for the LTE900 and 5G NR bands, n8, n81 & n100.

- Heavy duty construction
- High power
- No groundplane needed
- All metal parts in the antenna are DC-grounded.

ELECTRICAL SPECIFICATIONS

| | |
|-----------------------|---|
| Antenna Type | High Gain Broadband Co-linear |
| Frequency | 885 - 955 MHz |
| Bandwidth | 70 MHz |
| Impedance | 50 Ohm |
| VSWR | <1.5:1 |
| Polarisation | Vertical |
| Gain | BC90-6G: 6 dBd, 8.15 dBi BC90-8G: 8 dBd, 10.15 dBi |
| Radiation Pattern | Omni Directional (Horizontal) |
| Half Power Beamwidth | BC90-6G: 14.0° BC90-8G: 10.5° |
| Max. Input Power | 100 Watt |
| Antistatic Protection | Direct Ground |



Datasheet

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MECHANICAL SPECIFICATIONS

| | |
|-----------------------|--|
| Color | White and Silver |
| Length | BC90-6G: 1.8 m BC90-8G: 2.5 m |
| Weight | BC90-6G: 2.6 kg BC90-8G: 2.6 kg |
| Mount type | Fixed Tube Mounting Bracket. Stainless Steel Mounting Hardware included. |
| Mounting Place | On vertical mast tube; Ø 30 - 55 mm |
| Materials | Brass, Copper, Fibreglass and Aluminium |
| Survival Wind Speed | 55 m/s |
| Operating Temperature | -50 °C to +70 °C |
| Connector | Type N-female |
| Ingress protection | IP66 |
| Serial no. | On product label |

ORDERING INFORMATION

| | |
|---------|-------------------------------------|
| BC90-6G | Individually packing in Carton tube |
| BC90-8G | Individually packing in Carton tube |

PACKAGING INFORMATION

| | |
|------|----------------|
| Type | See "Part No." |
|------|----------------|