Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

# CradlePoint 170801-000 Cellular Antenna, Charcoal, 600 MHz - 6 GHz, SMA for IBR1700/IBR900, AER2200, E300/E3000, MC400

SKU
M2M-CP-00105
MPN
170801-000

**Description**

The CradlePoint 170801-000 Cellular Antenna is a versatile and robust solution designed for a range of Cradlepoint devices, including the IBR1700, IBR900, AER2200, E300, E3000, and MC400. Operating across a wide frequency range from 600 MHz to 6 GHz, this hinged antenna is ideal for enhancing LTE and 5G connectivity in various applications, such as connecting remote sites, vehicles, mobile workforces, and IoT devices.

The antenna features a single SMA Male interface with a hinging connector, facilitating straightforward installation and integration with existing setups.

As part of Cradlepoint's innovative wireless solutions, this antenna helps unlock the potential of wireless WAN edge technology, enabling seamless and secure connectivity beyond the limitations of wired networks.



**Cradlepoint**

Cradlepoint is a Boise, Idaho, company with a mission of enabling customers to Connect Beyond the limits of wired networks. We unlock the transformative power of today’s LTE and 5G cellular networks to provide an agile, reliable, and pervasive Wireless WAN edge.

Through Cradlepoint’s solutions, companies can connect sites, vehicles, mobile workforces, and IoT devices in a simple and secure way ...

# RF Specification

Start Frequency
615 MHz
Stop Frequency
6000 MHz
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

| Ports | RF Interface | Body Shape |
|---|---|---|
| 1 | SMA Male | Straight |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR |
|---|---|---|---|
| 615 MHz | 960 MHz | 1.1 dBi | < 3.6:1 |
| 1445 MHz | 1515 MHz | 0.6 dBi | < 2.6:1 |
| 1520 MHz | 1640 MHz | 0.37 dBi | < 2.5:1 |
| 1710 MHz | 2700 MHz | 2.63 dBi | < 2.5:1 |

| Start Freq. | Stop Freq. | Peak Gain | VSWR |
|---|---|---|---|
| 3000 MHz | 3700 MHz | 4 dBi | < 2.5:1 |
| 3700 MHz | 5000 MHz | 4 dBi | < 4.5:1 |
| 5150 MHz | 5925 MHz | 4.39 dBi | < 4.5:1 |

# Physical Specification

Subtype
Hinged Terminal
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
180
Ingress Protection
IP67
Materials
Plastic
Weight
0.15 kg
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60068-2-6: Vibration

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