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Zetifi 4G-5G Cellular Smart Antenna Black, 698 to 3800 MHz, 1050mm

SKU
ANT-ZT-00001
MPN
ANCA1101AU-02

Description

Welcome to a true revolution in antenna technology - a location-aware variable gain antenna that automatically switches between high and low gain modes to deliver peak performance in every setting.

Powered by our innovative ZetiLink technology, the antenna automatically selects the optimal gain mode for your device based on a blend of GPS location that is used to categorise your location as flat or hilly, antenna attitude (tilt), and user-selected preferences.

Get more out of your signal repeater or cellular gateway device with the convenience and enhanced performance of a Zetifi smart antenna.

- Reconfigurable antenna whip provides high and low gain modes in a single antenna
- Inbuilt GPS sensor linked to ZetiLink data set identifies terrain as flat, hilly or urban
- Gyroscope detects antenna attitude (tilt) to adjust gain for road gradient.
- ZetiLink engine processes location and other data in real-time to determine optimal gain mode.

Zetifi

Zetifi was founded in 2017 to overcome the unique connectivity challenges faced by farmers and rural residents. The company's regional base in Wagga Wagga, Australia, on the doorstep of one of Australia’s most productive agricultural regions, allows Zetifi to consult closely with primary producers and agribusiness stakeholders as they develop their technology and solutions.

RF Specification

Low Gain Mode

Start Frequency
698 MHz
Stop Frequency
3800 MHz
Polarisation
Vertical (V)
Input Impedance
50 Ω
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation
698 MHz	900 MHz	3 dBi	< 2.5:1	360°	50°
1710 MHz	2700 MHz	3 dBi	< 2.1:1	360°	30°
3400 MHz	3800 MHz	3 dBi	< 2.1:1	360°	20°

High Gain Mode

Start Frequency

698 MHz
Stop Frequency
3800 MHz
Polarisation
Vertical (V)
Input Impedance
50 Ω
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation
698 MHz	900 MHz	6.5 dBi	< 2.5:1	360°	25°
1710 MHz	2700 MHz	6.5 dBi	< 2.1:1	360°	15°
3400 MHz	3800 MHz	6.5 dBi	< 2.1:1	360°	10°

Physical Specification

Subtype
Collinear
Input Ports
1
MIMO
1x1 SISO
Dimensions
1050 x 56 mm (L x Dia)
Materials
Fibreglass (GRP), Steel
Weight
2 kg