

Part No **02942052M** **Mobile 8 Band Surface Antenna**

A Mobile multipurpose 8 Port Ground Dependant antenna for GNSS/GPS, 5G and Quad WiFi 2.4/4.9/5.8 GHz applications typically vehicle mounted.

Features

- 2 x 5G antenna (MIMO)
(617-960 MHz and 1710-3800 MHz)
- 4 x Tri-Band WiFi 2.4, 4.9 and 5.8GHz
- 2 x GNSS/GPS antenna for GPS L1, Glonass, Beidou and Galileo
- No diplexer needed
- Full hemispherical coverage for the GNSS and GPS
- Built-in high gain, low noise amplifier
- Right-Hand Circular Polarization
- 3.3-5V DC for GNSS supply
- DC supply via GNSS RF-connector



Specifications

Materials	ABS Plastic Radome	Frequency	4G/5G 2x2 MIMO: 617 – 960 MHz, 1710 – 3800 MHz WiFi 4x2 MIMO: 2400 – 2500 MHz, 4900 – 6000 MHz GNSS 1559 – 1609 MHz (GPS L1, Glonass, Beidou and Galileo) GPS 1575MHz
Installation Torque	4 +/- 0.5 Nm	Antenna Type	Mobile Surface Mounted through hole, Ground Dependant Antenna
Colour	Black (RAL 9005)	Polarisation	Vertical
Dimensions	Approx. W 89 x L 228 x H 38 mm	Impedance	50Ω
Max. Roof Thickness	10mm	Gain (peak)	4G/5G 3dBi (617 – 960 MHz) 4G/5G 6dBi (1710 – 3800 MHz) WiFi 5dBi (2.4 GHz, 4.9GHz & 5.8 GHz) GNSS 5dBi, 26dB
Shock and Vibration	IEEE1478, EN61373, MIL-810G, TIA329.2-C	Isolation	(With 5m RG58 Low Loss Cable) >10dB for 617 – 960 MHz >20dB for 1710 – 3800 MHz >25dB for WiFi
GNSS V+I	3.3/5V DC, 10mA (typ), 20mA (max)	Correlation Coefficient	< 0.4 for 617 – 700 MHz < 0.25 for 700 – 960 MHz < 0.1 for 1710 – 3800 MHz
Weight	0.4 kg	VSWR	< 2.5:1 for All Bands
Mounting	23mm diameter hole Max roof curvature: 2.0mm (on 228mm)	Max. Input Power	10w
Cable Length	GPS/GNSS: 300mm x 2 WiFi: 300mm x 4 4G/5G: 300mm x 2	Operating Temperature Range	-40°C to +80°C
Terminations	SMAp x 8	Water Resistance	IP67

Warranty

12 months (Please refer to [Benelec Terms & Conditions](#))

Options

Feed Cable Kit – 5m x Low Loss RG58 Leads x 8pcs SMA socket to SMAp/QMAP/SMAppr.
Client definable

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8 Band Panel Antenna 2 x 5G, 4 x WiFi , 2 x GNSS/GPS

