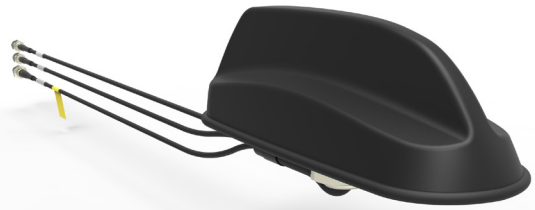


INTRODUCING MULTI FUNCTION MIMO ANTENNA

- **Shark fin style design reduces energy consumption**
- **2x2 Multi function GSM function improves signal transmission and data**



Plug&play Multi function WiFi antenna for onboard Rail applications, provides ultra low height of 30 mm.

Due to its build-in ground plane the antenna can be mounted on non-conductive surfaces. With a maximum of 4x4 MiMo antenna elements, the antenna provides best in class reception and thereby increases passenger experience.

Multi-service MiMo antenna delivers connectivity for GSM (up to LTE), global positioning (compatible with GPS, Glonass, Galileo, and Beidou standards) and Wi-Fi connectivity in a robust housing. Designed for outdoor use, the antenna is compliant to IP66 and even protects against washing system water jets. It

KEY BENEFITS

- Compact shark fin housing
- 2x2 MiMo GSM function
- GPS/Glonass/Galileo/Beidou function
- 2x2 or 3x3 Wi-Fi Antenna
- Groundplane-independent
- Single hole mounting
- IP66

APPLICATIONS

- Cars
- Trucks
- Generators
- Pumps
- Emergency vehicles

MATERIALS SPECIFICATIONS

- ASA, EPDM, Aluminium Alloy Black

ENVIRONMENTAL SPECIFICATIONS

- IP66

ELECTRICAL

- Frequency Range (MHz):
 - 698-960 / 1710-2170 / 2500-3800 (2G,3G,4G)
 - 1562-1612 (GNSS/Galileo/Beidou)
 - 2300-2500, 4900-6000 (WLAN)
- Peak Gain (Excluding cable loss):
 - Elements 2&3 - 2dBi (598-960MHz), 5dBi (1710- 3800MHz)
 - Elements 4,5,6 - 4dBi (2.4GHz), 6dBi (5.8GHz)
- Isolation with 5m CS29: Cellular >12dBi, WiFi >20dB
- Typical efficiency w/o cable loss: elements 2&3: >50%
- Correlation co-efficient: Elements 2&3: <0.2

MECHANICAL SPECIFICATIONS

- Dimensions: Height-50mm (2.2"), Length-170mm (6.77"),
- Width-60mm (2.4")
- Operating Temp: -40°C to +80°C (-40° to 176°F)
- Approx Weight 260g