



## CEILING MOUNTED MIMO WIFI ANTENNA

### Ceiling Mounted MiMo WiFi Antenna

Plug&play MiMo 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.

#### BENEFIT STATEMENTS

- Low profile enables installation in confined spaces, while the antenna can be placed anywhere in the train due to its build-in ground plane.
- The up to 4x4 MiMo Antenna enables enhanced onboard passenger WiFi experience.

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## APPLICATIONS

- Passenger carriages
- Train
- Metro
- Bus
- Tram
- Public transportation

## KEY FEATURES

- Low Profile
- MiMo up to 4x4 WiFi
- Groundplane-independent
- EN45545 Flame retardant materials

## MECHANICAL SPECIFICATIONS

- Dimensions: Diameter - 115mm (4.52"), Height - 30mm (1.18")
- Operating Temp: -30°C to +70°C (-22° to 158°F)
- Color: White
- Approx Weight 225g

## PARTS LIST

### BU information

TE Part	Description in CPR
2344721-1	CEILING MOUNT ANTENNA MIMO 2X2 SMA PLUG
2344721-2	CEILING MOUNT ANTENNA MIMO 3X3 SMA PLUG
2344721-3	CEILING MOUNT ANTENNA MIMO 4X4 SMA PLUG
2344721-4	CEILING MOUNT ANTENNA MIMO 2X2 N PLUG
2344721-5	CEILING MOUNT ANTENNA MIMO 3X3 N PLUG
2344721-6	CEILING MOUNT ANTENNA MIMO 4X4 N PLUG

## ELECTRICAL SPECIFICATIONS

- Frequency Range:
  - 3x2.4/5.0 GHz, 4x2.4/5.0 GHz
- Peak Gain: 4dBi, 6dBi (2.4-2.5GHz)
- Isotropic: 6dBi, 9dBi (4.9-6.0GHz)
- Pattern: Omni Directional
- Nominal Impedance: 50Ω
- Max Input Power: 10W

## MATERIALS SPECIFICATIONS

- Radome: Gely HRA 222F
- Antenna elements Copper alloy
- Cable CS32 flame retardant

## STANDARDS & SPECIFICATIONS

- EN45545-2: HL1-3

## ENVIRONMENTAL SPECIFICATIONS

- IP66

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