



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

STANDARDS & SPECIFICATIONS

- EN45545-2: HL1-3

ENVIRONMENTAL SPECIFICATIONS

- IP66

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