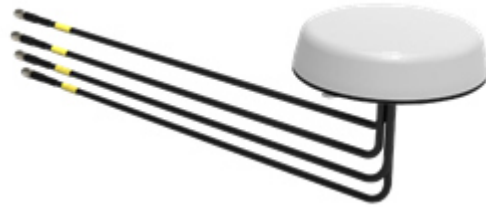


Ceiling Mounted MIMO WIFI Antenna

Plug&play MiMo WiFi Antenna for on-board 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 on-board passenger Wi-Fi experience.

Product Facts

- Low Profile
- MiMo up to 4x4 Wi-Fi
- Groundplane-independent
- EN 45545 Flame retardant material
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Application

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

Mechanical Specifications

- Dimension: Diameter – 115mm, Height – 30mm
- Operating Temperature: -30°C to +70°C
- Colour: White
- Approx. Weight: 225g

Materials Specifications

- Random: Gelay HRA 222F
- Antenna elements copper alloy
- Cable CS 32 flame retardant

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

Environmental Specifications

- IP66

Standards

- EN 45545-2: HL 1-3

Part Numbers

Part	Description in CPR
2344721-1	Ceiling Mount Antenna MINO 2x2 SMA PLUG
2344721-2	Ceiling Mount Antenna MINO 3x3 SMA PLUG
2344721-3	Ceiling Mount Antenna MINO 4x4 SMA PLUG
2344721-4	Ceiling Mount Antenna MINO 2x2 N PLUG
2344721-5	Ceiling Mount Antenna MINO 3x3 N PLUG
2344721-6	Ceiling Mount Antenna MINO 4x4 N PLUG