

SENCITY Bridge MIMO 3x3 Antenna 1356.35.0005

Description

WiFi MIMO 3x3 antenna designed for Railway Inter-carriage communication.
 Directional, linear $\pm 45^\circ$ and vertical polarized radiation patterns.
 Narrow beam width and very low directional gain to prevent interference.
 Supports WiFi-2 / Wi-Fi 5 bands from 5.15 up to 5.935 GHz.
 Three connector ports directly on the rear, 3 x QMA jack (straight).



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	5150 - 5935
VSWR	1.3
Impedance (Ohm)	50
Gain (dBi)	-2
3dB beamwidth (h) (°)	65
3dB beamwidth (v) (°)	65
Composite power max (W)	30
Ambient temperature (°C)	25
Vertical electrical tilt (°)	0
Port Isolation (dB)	30

Ports

	Port 1	Port 2	Port 3
Connector	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)
Polarization	-45° slant	vertical	+45° slant

Connections

	Band 1
Port 1	X
Port 2	X
Port 3	X

General Data

Gain values include the intentionally extra attenuation of 10 dB, built-in to each of the three antenna radiator port paths

Mechanical Data

Dimensions (mm) 302 x 129 x 33 (Height x Width x Depth)
 Weight (kg) 0.65

Ensure a flat mounting surface.

Environmental Data

Environmental conditions indoor/outdoor
 Operation temperature (°C) -40 to 85
 Storage temperature (°C) -40 to 85
 Transport temperature (°C) -40 to 85

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Flammability rating 2011/65/EU (RoHS - including 2015/863 and 2017/2102)	EN 45545-2 compliant
Lead-free soldered WEEE 2012/19/EU REACH 1907/2006/EC	yes no special marking needed compliant

IP Rating: IP56

Material Data

Radome colour	RAL 7043 (dark grey)
Radome material	PC (Polycarbonate)
Back plate/base plate colour	grey
Back plate/base plate material	Aluminium

Related Documents

Mounting instruction	DOC-0000842512
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00374469
3D-model	DOC-0000829806