



Antennas for Tunnels

Multi Band, Multi Polarized,
Flat Panel & OMNI

Any Size, Any Frequency, Any Gain Ratio

MOBILE INDOOR
LTE MIMO OMNI WI-FI
WLAN
OUTDOOR



www.mars-antennas.com

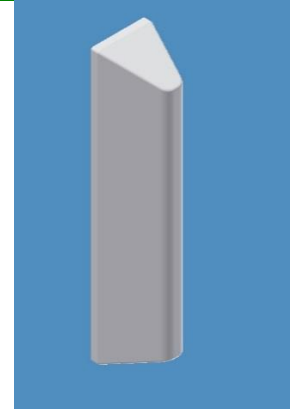
MA-WD866-BD7

865-867 MHz Bidirectional sector Antenna

MARS Bidirectional Antenna is ideal for deployment in tunnels, Highways or long building corridors. It features small and unobtrusive profile that blends easily with any environment.

Applicable Applications:

- Tunnel coverage.
- Indoor cell extender.
- Highways Application



Specifications

Electrical

Frequency range	865-867 MHz
Gain	7 dBi
3 dB Beam-Width, Azimuth, typ.	2 x 75°
3 dB Beam-Width, Elevation, typ.	30°
VSWR, max.	1.5 :1
Angle between 2 beams	180°
Polarization	Linear, Horizontal
Input power, max	10 Watt
Input Impedance	50 Ohm

Mechanical

Dimensions (HxWxD)	615 x 105 x 130 mm.
Weight	1 kg.
Connector	N-Type Female
Back Plane	Aluminum, Conversion Coated
Radome	ABS, UV Protected
Mount	Pole Mountable

Environmental

Operating Temperature Range	-30°C to +70°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h (Survival)
Flammability	UL94
Water Proofing	IP-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11

MARS Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

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MA-CC60-60

Dual Beam GSM Wi-Fi Antenna

MARS Dual Beam GSM Antenna is ideal for deployment in tunnels or long building corridors ceiling. It features small and unobtrusive profile that blends easily with any environment.

Applicable Applications:

- Tunnel coverage.
- Indoor cell extender.



Specifications

Electrical

Frequency range	870-960 MHz	2.4-2.5 GHz
GAIN, min.	3.5 dBi	4.5 dBi
3 dB Beam-Width, H-Plane, typ.	2 x 90°	2 x 85°
3 dB Beam-Width, E-Plane, typ.	66°	60°
VSWR, max.	1.8 :1	
Polarization	Linear, Vertical	
Input power, max	50 Watt	
Input Impedance	50 Ohm	

Mechanical

Dimensions (HxWxD)	184 x 100 x 125 mm.
Weight	240 gr.
Connector	N-Type Female/Side Pigtail Optional
Back Plane	Aluminum, Conversion Coated
Radome	ABS, UV Protected
Mount	Ceiling Mountable

Environmental

Operating Temperature Range	-10°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	Survival: Indoor use.
Flammability	UL94
Water Proofing	IP-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm Radial

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