



ANTENNAS & RF SYSTEMS LTD.





Mars Antennas – Innovator in In-Building/DAS Antennas

Mars antennas offer a complete line of In Building/DAS antennas, including its latest addition, a dual polarized omni antenna.

Frequencies from 380 MHz up to 6.5 GHz are covered
Outdoor versions of these antennas are offered as well

MARS In-Building Antennas includes:

- Wi-Fi Hot spot antennas
- Ceiling mount Multi-band OMNI directional antennas
- Ceiling mount Multi-band Multi-Ports OMNI antennas
- Directional Antennas.
- And more...

About MARS

MARS Antennas & RF Systems Ltd is a world class leading antennas design and manufacturing, RF solutions and R&D Company based in Israel, with a demonstrated capacity to design and provide cost effective products with exceptional performance characteristics.

MARS was established in 1987 and located in its owned facility in Tel-Aviv area.

MARS offers a wide range of Broadband Wireless Panel Antennas market in which our both single and dual polarized subscriber and sector antennas cover frequency ranges of 700MHz, 915MHz, 2.4GHz, 3.5GHz, 4.9GHz and 5.8-6.1GHz.

Mars offers a wide range of antennas for the rapidly growing LTE and WiMax fixed and mobile applications markets.

MARS also has a strong line of In-Building antennas that allows cost effective solution for Cellular and Wi-Fi applications. In addition MARS offers a wide range of antennas for ISM & Special Applications, Embedded Antennas, Wi-Fi Repeaters, In-Building Cellular Repeaters – High Selective and FCC approved.

MARS's main expertise is in developing and manufacturing of antennas based on printed circuit antennas called flat or Flat Panel Arrays.

MARS is ISO 9001, ISO 14001 and RoHS certified R&D and manufacturing company.

MARS possesses in-house internal anechoic chamber allowing for assurance of the highest level of developed products and assuring the highest level of quality control.

Wi-Fi Hot spot antennas

Part Number	Description	Frequency band	Gain	Polarization	Dimensions (LxWxD) in mm
MA-WE2458-MIMO4-5	Dual Band Sector Antenna, 120°	2.3-2.7 & 4.9-6.1 GHz	4 X 5 dBi	2 x Dual Slant ±45°	200 x 200 x 33
MA-WC2458-MIMO4-8	Dual Band Sector Antenna 60°	2.4-2.5 & 5.15-5.875 GHz	4 X 6 dBi	Dual Slant ±45° & Dual Slant ±135°	200 x 200 x 33
MA-WC2458-QP6	Dual Band Quad pole Sector Antenna 60°	2.4-2.5 & 5.15-5.875 GHz	4 X 6 dBi	Dual Slant ±45° & Vertical & Horizontal	200 x 200 x 33

Multi Band In-Building/Outdoor Antennas

TETRA, CDMA, GSM, UMTS, WLAN, WLL, Wi-Fi & WiMax

Part Number	Description	Frequency band	Gain	Polarization	Dimensions (LxWxD) in mm
MA-CQ26-1X	380 MHz -6 GHz Multi Band Omni	380-806 MHz 806-960 MHz 1395-1432 MHz 1710-2170 MHz 2300-2500 MHz 3300-3700 MHz 4900-6000 MHz	1 (2*) dBi 4 dBi 5 dBi 5 dBi 5 dBi 5 dBi 6 dBi	Linear, Vertical	Base Dia. - 275 Height - 187
MA-CQ27-1X	380 MHz -6 GHz Multi Band Omni	380-806 MHz 806-960 MHz 1395-1432 MHz 1710-2170 MHz 2300-2700 MHz 3300-3700 MHz 4900-6000 MHz	1 (2*) dBi 4 dBi 5 dBi 5 dBi 6 dBi 6 dBi 6 dBi	Linear, Vertical	Base Dia. - 275 Height - 187
MA-CQ29-1X	380 MHz -6 GHz Multi Band Omni	380-806 MHz 806-960 MHz 1700-2500 MHz 2500-2700 MHz 3300-3700 MHz 4900-6000 MHz	1 (2*) dBi 4 dBi 5 dBi 5 dBi 6 dBi 6 dBi	Linear, Vertical	Base Dia. - 275 Height - 187
MA-CM36-15	Multi Band Omni Antenna	806-960 MHz 1710-2170 MHz 2300-2700 MHz	2 dBi 3-4 dBi 5 dBi	Linear, Vertical	Base Dia. - 205 Height - 89
MA-CR26-2X	Multi Band Omni Antenna	806-960 MHz 1710-2170 MHz 2300-2700 MHz 3400-3700 MHz 4900-6000 MHz	2 dBi 3-4 dBi 5 dBi 5 dBi 5-6 dBi	Linear, Vertical	Base Dia. - 205 Height - 89
MA-WOLTE-3X	LTE, GSM, UMTS, WLAN, Wi-Fi Multi Band Omni	698-806 MHz 806-960 MHz 1710-2170 MHz 2300-2700 MHz 3300-3800 MHz 4900-6500 MHz	2 dBi 2 dBi 3-4 dBi 5 dBi 4 dBi 6 dBi	Linear, Vertical	Base Dia. - 205 Height - 89

Part Number	Description	Frequency band	Gain	Polarization	Dimensions (LxWxD) in mm
MA-WOLTE-3M1	698-6500 MHz Multi Band Tri-Ports Omni Antenna	<u>Port 1 & 2</u> 698-960 MHz 1710-2170 MHz 2.3-2.7 GHz. 3.3-3.8 GHz 4.9- 6.5 GHz <u>Port 3</u> 1710-2170 MHz 2.3-2.7 GHz 3.3-3.8 GHz 4.9- 6.5 GHz	2 dBi 3-4 dBi 5 dBi 4 dBi 6 dBi 3 dBi 3 dBi 4 dBi 6 dBi	Linear, Vertical	Antenna dimension (D,H): 220 x 95 Base dimension (L,W,H): 369 x 270 x 30
MA-WOLTE-DP1	698-6500 MHz Multi Band Dual Polarized Omni Antenna	<u>Vertical</u> 698-960 MHz 1710-2170 MHz 2.3-2.7 GHz. 3.3-3.8 GHz 4.9- 6.5 GHz <u>Horizontal</u> 2.3-2.7 GHz. 4.9- 5.875 GHz	4 dBi 5 dBi 5.5 dBi 7 dBi 7.5 dBi 5 dBi 5 dBi	Linear, Vertical	Base Diameter 275 Height 190
MA-WA43-1X	In-Building Panel Antenna	425-445 MHz	4 dBi	Linear, Vertical	225 x 215 x 29
MA-WA46-1X	In-Building Panel Antenna	450-470 MHz	4 dBi	Linear, Vertical	231 x 215 x 29
MA-WA48-1X	In-Building Panel Antenna	480±10 MHz	4 dBi	Linear, Vertical	225 x 215 x 29
MA-CLTE-14	LTE, GSM, UMTS, WLAN, Wi-Fi Multi Band Panel Antenna	698-806 806-960 1710-2170 2200-2700 MHz	5 dBi 6 dBi 6.5 dBi 5 dBi	Mixed, Vertical and Horizontal	231 x 215 x 37.5
MA-CL67-15	GSM, UMTS, WLAN Multi Band Panel Antenna	806-960 1710-2170 2200-2700 MHz	8.5 dBi 7.5-10 dBi 5-6.5 dBi	Linear, Vertical	231 x 215 x 37.5
MA-CN14-11	Multi Band 140°	806-960 1710-2170 MHz	5 dBi	Linear, Vertical	175 x 35 x 125
MA-CH11-16	GSM/AMPS/IDEN In-Building Antenna	810-960 MHz	3 dBi	Linear, Vertical	180 x 180 x 25
MA-CB22-13 MA-CB22-23 MA-CB22-33	Squint Band Extra Thin Antenna	824-894 MHz	15 dBi 14.5 dBi 13 dBi	Linear, Vertical	808 x 708 x 30 mm
MA-CB50-20	Dual Beam CDMA/TDMA/AMPS Antenna	824-894 MHz	5 dBi	Linear, Vertical	400 x 185 x 55
MA-CC60-20	Dual Beam GSM Antenna	870-960 MHz	5 dBi	Linear, Vertical	400 x 185 x 55
MA-CC60-60	Dual Beam GSM Antenna	870-960 MHz 2.4-2.5 GHz	3.5 dBi 4.5 dBi	Linear, Vertical	184 x 100 x 125
MA-CD09-2X	Cellular Yagi Antenna	1.71-1.88 GHz	9 dBi	Linear, Vertical	500 x 85
MA-WOLTE-DP2	698-6500 MHz Multi Band Tri-Ports Omni Antenna	<u>Port 1</u> 1.7-2.7 GHz <u>Port 2</u> 4.4-6.6 GHz <u>Port 3</u> 698-960 MHz 1.7-2.3 GHz 2.3-2.7 GHz. 3.3-3.8 GHz 4.5- 6.6 GHz	5 dBi 6 dBi 4 dBi 3-4 dBi 5.5 dBi 4 dBi 6 dBi	Linear, Horizontal Linear, Horizontal Linear, Vertical	Antenna dimension (D,H): 220 x 95 (Stand out from the ceiling)