MobileMark
antenna solutions

Infrastructure and Fixed Site Antenna Solutions

Extending the range of networks and providing a reliable signal for M2M is more important than ever. Users expect high quality Cellular and WiFi signal regardless of their location—and existing network solutions are often not enough. Mobile Mark's fixed site antennas are the ideal solution for building out base station systems and extending wireless network coverage.

M2M network providers are continuously upgrading various portions of their infrastructure to improve the overall performance of their network. One important aspect to consider in the big picture of network improvement is optimal antenna configuration.

It is extremely important to have reliable and efficient antennas aligned to receive and transmit signals. Fixed site antennas allow the infrastructure to be extended into hard to reach areas.

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Cellular Antennas
Mobile Mark's wide band OD and DOD series antennas offer superior omni-directional coverage for 4G LTE, while the Dual-Slant PND panel covers directional LTE and has a low PIM rating. Specialized directional and omni-directional antennas allow the Cellular infrastructure to be extended into hard to reach areas, providing a strong and reliable signal regardless of where Cellular devices are being used.

AWS & LTE-A Antennas
Expect to see more high frequency cellular applications using LTE-A and AWS on the 1.7 & 2.1 GHz bands, LTE Plus at 2.5-2.7 GHz and WiMAX at 3.5 GHz as other bands become crowded. These technologies rely on multiple antennas fixed onto base station towers for optimal functionality. Mobile Mark builds high quality directional antennas that deliver the reliable signal needed between cellular M2M nodes and base stations.

ISM & UHF Antennas
Industrial Science and Medical radio bands can be used for data and non-voice applications for precision agriculture, agriculture monitoring, and remote weather stations. UHF is used in two-way radio systems for industrial, public safety, utility, and military purposes. Mobile Mark's directional and omni-directional antennas are ideal solutions for ISM and UHF coverage.

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www.MobileMark.com for our full product line.

WiFi Antennas

Commercial WiFi users will find that faster data transfer is now possible with improvements to wireless protocols, such as 802.11ac and 802.11n. With advances in WiFi protocol, WiFi signal has larger data throughput and extended range. Mobile Mark manufactures site antenna options for WiFi infrastructure including panels, omni-directional, and sector designs.

DSRC & ITS Antennas

DSRC and ITS technology is commonly used for vehicle-to-infrastructure and vehicle-to-vehicle applications. Mobile Mark has designed several directional, omni-directional, bi-directional, and sector antennas for use in DSRC and ITS settings including urban intersections or along highways. These antennas can help provide services for: vehicle crash prevention, emergency alerts to drivers, or even e-parking and toll payment.

Our in-house Engineering Design Team has years of experience in antenna design. We can supplement your own engineering efforts and be a valued RF sounding board.

Mobile Mark antennas can be used in a multitude of applications and settings. Options may include directional YAGI designs, adjustable sector styles, omni-directional pole mounted antennas, or high gain panels.

Our antennas are designed and tested in our in-house facilities located in the US, just outside Chicago.

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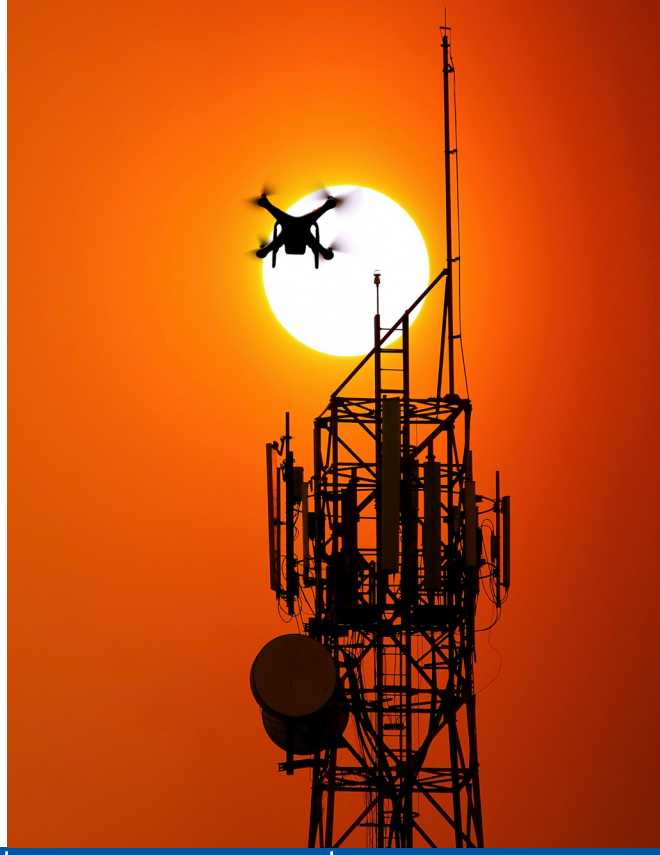
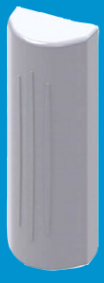


CELLULAR ANTENNAS

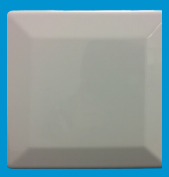
OD3-700/2700 Omni-Directional
694-960 MHz and 1700-2700 MHz
3 dBi Gain

DOD3-700/2700 2x MIMO Omni-Directional
694-960 MHz and 1700-2700 MHz
3 dBi Gain



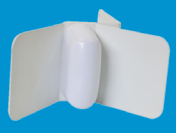
PND-700/2100D Dual-Slant LTE Directional Panel
694-960 MHz (8 dBi) and 1710-2170 MHz (12 dBi)

WIFI ANTENNAS



PND10-W 6x MIMO Panel
2.4-2.5 GHz (8 dBi) &
4.9-6.0 GHz (10 dBi)

ECO5-2400/5500 Omni-Directional
2.4-2.5 GHz and 5.0-6.0 GHz
5 dBi both bands



SCR-2400/5500 Directional
2.4-2.5 GHz (9 dBi) &
4.9-6.0 (12 dBi)

AWS & LTE-A ANTENNAS

PN16-3000 Panel
2.2-3.8 GHz
16 dBi Gain

PS12-2600-90 Panel 90° Sector Low Profile, 12.5" (31.75 cm) tall
2.5-2.7 GHz
12 dBi Gain

YAG9-3500 Yagi
3.5 GHz
5 dBi Gain

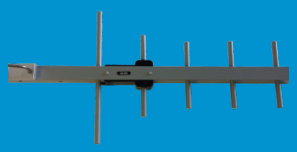
DSRC & ITS ANTENNAS

PN18-5900PM DSRC/ITS Panel
5850-5925 MHz
8 dBi Gain

ECO6-5900RN Omni-Directional Device Mount
5.8-6.0 GHz
6 dBi Gain

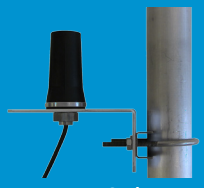
BD-5900 Bi-Directional
5850-5925 MHz
13 dBi Gain

ISM & UHF ANTENNAS



YAG8-925N ISM Yagi
866-960 MHz
11 dBi Gain

OD3-450 Series Omni-Directional
450-512 MHz
5 dBi Gain



RM-915 Series Pole Mount
902-928 MHz
3 dBi Gain

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