



Directional Antennas



Omni-Directional Antennas

## Directional & Omni-Directional MIMO Antennas, WiFi

- Multiple-Input-Multiple-Output antenna design
- Directional and Omni-directional antennas
- Each MIMO antenna is configured with 2 or 3 connectors
- Passed Industry shock and vibration standards

MIMO (Multiple-Input-Multiple-Output) systems, also known as spatial multiplexing, transmit different data on different antenna elements.

With a MIMO system, the data is decoded and combined at the receive end. The net result is greater data throughput and improved bandwidth efficiency.

Mobile Mark's new MIMO (Multiple-Input-Multiple-Output) Site Antennas provide three-cable feeds, each with identical frequency coverage.

The separate antenna elements are housed within the compact rugged radome. Each element is fed to a separate connector and each covers the entire bandwidth specified.

The PND Series Panel Antenna provides 8 dBi gain in a compact radome measuring 12.5" (31.75cm) tall x 3" (7.62cm) wide x 1.25"

(3.18cm) deep. The three connectors exit from the back of antenna.

The DOD Series Omni-directional Antenna provides 5 dBi gain in a radome measuring just under 30" (76.2cm) tall x 1" (2.54cm) in diameter. The cables exiting the base of the antenna are typically staggered at 9" (22.86 cm), 12" (30.48cm) and 15" (38.1 cm) in length, for easy handling during installation.

Custom cable assemblies are available.

Model #	# of Cables
PND8-2400/5500-2-WHT	2
PND8-2400/5500-3-WHT	3
DOD5-2400/5500-3C3C-BLK	2
DOD5-2400/5500-3C3C3C-BLK	3

Specifications			
Frequency:		Case:	
PND8	2.4-2.5 GHz & 4.9-6.0 GHz	PND8	12.5H x 3"W x 1.25" D (32 cm x 8 cm x 3 cm)
DOD5	2.4-2.5 GHz & 5150-5925 MHz	DOD5	29 5/8"H x 1"D (75 cm x 3 cm)
Gain:		Material:	
PND8	8 dBi all bands	PND8	UV resistant polystyrene, White
DOD5	5 dBi all bands	DOD5	Fiberglass, Color, Black
VSWR:	2:1 max over range	Mounting:	Mounts to up to 2 1/2" OD Pipe, U-bolt kit included
Isolation:	>20 dB between elements	PND Adjustment:	Vertical tilt adjustment up to 45°
Impedance:	50 Ohms (nominal)	Connectors:	
Max power:	25 watt	PND	2 or 3 SMA Bulkheads built-in
Beamwidth:		DOD	2 or 3 Cables 9", 12", 15" w/SMA Plug (Male) Custom lengths available
2.4-2.5 GHz	PND8 90° Az, 60° El DOD5 40° El	Shock and Vibration:	EN 300 019-2-4, IEC 60068
4.9-6.0 GHz	PND8 120° Az, 30° El DOD5 45° El		
Operating Temp:	-40 to +85° C		
Cable jumpers:	Available separately		
Lightning protection:	External recommended		