



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

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" (38.1cm) in length, for easy handling during installation.

Custom cable assemblies are available.

Model #	# of Connections
PND8-2400/5500-2-GRY	2 inputs
PND8-2400/5500-3-GRY	3 inputs
DOD5-2400/5500-3C3C-BLK	2 inputs
DOD5-2400/5500-3C3C3C-BLK	3 inputs

Specifications			
Frequency:		DOD5	29 5/8"H x 1"D (75 cm x 3 cm)
PND8	2.4-2.5 GHz & 4.9-6.0 GHz	Material:	
DOD5	2.4-2.5 GHz & 5150-5925 MHz	PND8	UV resistant polystyrene, Gray
Gain:		DOD5	Fiberglass, Color, Black
PND8	8 dBi all bands	Mounting:	Mounts to up to 2 1/2" OD pipe, U-bolt kit included
DOD5	5 dBi all bands	PND Adjustment:	Vertical tilt adjustment up to 45°
VSWR:	2:1 max over range	Connectors:	
Isolation:	>20 dB between elements	PND	2 or 3 SMA Jack (female) bulkhead connectors built-in
Impedance:	50 Ohms (nominal)	DOD	2 or 3 Cables 9", 12", 15" w/ SMA plug (male) connectors; custom lengths avail.
Max power:	25 watt	Shock and Vibration:	EN 300 019-2-4, IEC 60068
Beamwidth:			
2.4-2.5 GHz	PND8 90° Az, 60° El DOD5 40° El		
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		
Case:			
PND8	12.5"H x 3"W x 1.25" D (32 cm x 8 cm x 3 cm)		