



PND10-700/2700

Directional Panel 2x LTE MIMO 700-2700 GHz

- Low cost fixed solution for 2x LTE MIMO
- High gain performance (9 dBi - 10 dBi)
- Dual Slant polarization (+45°, -45°)

Mobile Mark's new broadband PND10-700/2700 offers a high gain, low cost directional dual LTE solution. It is an excellent choice for deploying point-to-point coverage in the 695-2700 MHz band. This model covers the entire range with a VSWR of 2:1.

The gain for the PND10-700/2700 ranges from 9 dBi to 10 dBi for each frequency band. For 695-960 MHz, the gain is 9 dBi peak. The 1710-2170 MHz band has 10 dBi peak gain. Finally, the 2400-2700 MHz band also has 10 dBi peak gain.

Multiple antennas can be phased together to provide increased capacity and target a specific coverage area.

This model features a front -to-back ratio of 25 db. By maintaining this F-to-B ratio along with low side lobe levels, the possibility of off axis interference is greatly reduced.

The antenna is housed in a very attractive grey ASA plastic.

The dimensions for the PND10-700/2700 are 15" H x 15" W (38 cm x 38 cm), this antenna will be unobtrusive in any indoor or outdoor environment.

The antenna can be pole mounted for easy network deployment. An adjustable tilt pole mounting bracket allows for simple alignment. The antennas can be adjusted for up to 15° downtilt.

The antenna terminates with two N Jack (Female) connectors located on the backside of the antenna.

Mobile Mark can provide cable assemblies (jumpers) in a variety of cable types and lengths.

Model #	Description
PND10-700/2700	2x LTE MIMO Panel Directional Antenna

Specifications

Frequency & Gain		Dimensions:	15" H x 15" W (38 cm x 38 cm)
695-960 MHz	9 dBi	Weight:	3 lbs (1.4 kg)
1710-2170 MHz	10 dBi	Mounting:	Adjustable pole mount, mounting brackets included with purchase
2400-2700 MHz	10 dBi	Bracket:	
VSWR Max:	2:1	Pole mount	15° vertical downtilt adjustment mounted to 1" to 2.5" OD pipe (2.5 cm to 6.35 cm)
Impedance:	50 Ohm nominal	Connectors:	Dual N Jack (Female) on backside of antenna
Max Power:	50 watts		
Beamwidth:			
695-960 MHz	59° EL, 65° AZ		
1710-2700 MHz	37° EL, 60° AZ		
Front to Back Ratio:	25 dB		
Lightning Protection:	External recommended		
Max Wind Velocity:	125 mph (201 kph)		
Operating Temp:	-40° to +80° C		
Material:	Grey ASA radome		
			Cable assemblies available for purchase separately