



**MIMO CMD Series**  
mounted on ceiling panel



**CM2 Series** mounted on  
ceiling panel

## Ceiling Mount Antennas, Omni-directional, 2.4 & 5 GHz

- Antennas provide uniform omni coverage for indoor use
- Models available for WiFi, Bluetooth and 802.11a/b/g/n applications
- MIMO Ceiling Mount versions, 2 or 3 cables
- Models available with Fire Retardant cable (RF-195FR)

Mobile Mark's line of Ceiling Mount omni-directional antennas are designed for efficient distribution of inbuilding wireless coverage for WiFi, Telemetry and Hotspots.

The antennas mount to any ceiling that allows the cable to be routed above; dropped ceilings are perfect for this type of installation.

These antennas use a design that incorporates a quarterwave on a ground plane which enhances the peak lobes of these antennas. This unique design provides significant improvements in efficiency while being very economical.

The antennas maintain an omni pattern in the horizontal plane while VSWR performance is maintained across the operating bandwidth.

Several models are available including both single band and dual-band coverage at 2.4 & 5 GHz. A dual band model provides operation on the two popular bands simultaneously (one coax feed for both bands).

Two MIMO (Multiple-Input-Multiple-Output) models are available:

one is configured with two elements and the other with three elements. All of the elements are identical and all cover both 2.4 & 5 GHz bands. Each element is fed by a separate cable.

The MIMO radio style will determine if a 2-element or 3-element antenna should be used.

Model #	Frequency	Application
<b>Single Cable</b>		
CM2-2400-9C-WHT-12	2.4-2.5 GHz	802.11b/g
CM2-5500-9C-WHT-12	5-6 GHz	802.11a/ac
CM2-2400/5500-9C-WHT-12	2.4-2.5 GHz & 5-6 GHz	802.11a/b/g/n
<b>MIMO 2 Cable</b>		
CMD-W-9C9C-WHT-12	2.4-2.5 & 4.9-6.0 GHz	802.11a/b/g/n
<b>MIMO 3 Cable</b>		
CMD-W-9C9C9C-WHT-12	2.4-2.5 & 4.9-6.0 GHz	802.11a/b/g/n

### Specifications

Frequency:	
CM2-2400	2.4-2.5 GHz
CM2-5500	5-6 GHz
CM2-2400/5500	2.4-2.5 & 5-6 GHz
CMD-W	2.4-2.5 & 4.9-6 GHz
Gain:	
CM2	2.5 dBi
CMD-W	4 dBi
VSWR:	2:1 over band
Nominal Impedance:	50 ohms
Max. Power:	
CM2	5 Watts
CMD-W	20 Watts
Beamwidth (-3 dB point):	70 degrees
Operating Temp:	-40° to +85° C

Radome Material:	White ASA
Weight:	1.0 lbs (0.5 kg)
Dimensions:	3.5"D x 1.5"H (89 mm x 38 mm)
Mounting:	
CM2	(3) #8-32 machine screws
CMD-W	2" L x 5/8" D threaded stud in flange, thru-hole feed for cable
Cables:	
CM2	1 ft. RF-195FR (30.5 cm)
CMD-W	(2 or 3) 1 ft. (30.5 cm) RF-195FR
Termination:	SMA Plug (Male)