

## Thru-Window Antennas WiFi 2.4 & 5 GHz



IW Series Thru-Window Antenna

Mobile Mark's IW Series Antennas are perfect for In-Building and Mobile next generation WiFi or telemetry applications. They have features that make them invaluable, solving many of the problems normally associated with these higher frequencies.

The antennas use unique designs that provide significant improvements in efficiency while being very economical. VSWR performance is maintained across the operating bandwidth.

The antennas provide near hemispherical energy radiation, resulting in broad area coverage, yet maintaining directivity and isolation.

The IW Series antennas are only 2 1/2 inch (64 mm) diameter. They are enclosed in a ASA radome, with a smooth finish. The antennas are available in white or black.

They economically mount using double-sided tape. An optional Suction Cup mount, model IW-SCM is also available for temporary installs. They terminate with 10 ft (3 meters) of LMR-100 cable, and a SMA Plug (Male). Additional jumpers can be provided.

The antenna comes in a variety of gain configurations, depending on the frequency of operation. Please refer to model chart for exact gain

- Perfect for In-Building & Mobile applications
- Models for 2.4 GHz WiFi, WiMAX, and 802.11a (5.25 & 5.725 GHz)
- Unique design provides high performance at an economical price

& frequency. Circularly Polarized (CP) models are also available.

The IW Series antennas mount using industrial double sided tape, or optional suction cup mount.

Because the antennas have a broad beamwidth, angle adjustment is usually not necessary.

Model #	Frequency	Gain
IW5-2400-7C-BLK-120	2.4-2.49 GHz	5 dBi
IW7-5250-7C-BLK-120	5.15-5.35 GHz	7 dBi
IW7-5725-7C-BLK-120	5.72-5.83 GHz	7 dBi
IW10-5500-7C-BLK-120	4.9-6.0 GHz	10 dBi
<u>Color options available for above models</u> WHT-White or BLK-Black		
IW-SCM	Optional suction cup mount	
Circularly Polarized (CP) also available.		

### Specifications

Frequency:	See above
Gain:	See above
VSWR:	2:1 over band
Impedance:	50 Ohm nominal
Maximum Power:	10 Watts
Operating Temp:	-40° to +85° C
Beamwidth:	
IW5-2400	80° Az, 80° El
IW7-5250	80° Az, 60° El
IW7-5725	80° Az, 60° El
IW10-5500	60° Az, 60° El
Front-to-Back ratio:	15 dB
Radome Size:	2 1/2" Diam x 0.75" Depth (64 mm x 19 mm)

Antenna Radome:	ASA plastic
Weight:	0.5 lbs (225 grams)
Mounting:	Double sided tape Suction Cup (optional)
Termination:	
BLK radome	10 ft (3 meters) LMR-100 (Black cable), with SMA Plug
WHT radome	10 ft (3 meters) RG-188, (White cable) with SMA Plug (Male)