

## Thru-Window Antennas (Pat.Pnd.) Single band for 2.4 - 6 GHz



IW Series Thru-Window Antenna  
(Also available in black)

- Perfect for In-Building & Mobile applications
- Models for 2.4 GHz WiFi, 3.5 GHz WiMAX, and 802.11a (5.25 & 5.725 GHz)
- Semi-hemisphere radiation pattern for easy installation
- Unique design provides high performance at an economical price

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 supplied in white (standard) or black (optional).

They economically mount using double-sided tape. An optional Suction Cup mount is also available for temporary installs. They terminate with 10 ft (3 meters) of LMR-100 cable, and a male SMA. 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 & frequency. Circularly Polarized (CP) models are also available.

The IW Series antennas mount using industrial double sided tape, or optional suction cup mount. Because they have broad beamwidth, angle adjustment is usually not necessary.

### Model Number

Models	Freq	Description
IW5-2400	2.4-2.49 GHz	5 dBi Thru-Window
IW7-3500	3.4-3.70 GHz	7 dBi Thru-Window
IW7-5250	5.15-5.35 GHz	7 dBi Thru-Window
IW7-5725	5.72-5.83 GHz	7 dBi Thru-Window

Antennas available in white or black with 10 ft (3 meters) of LMR-100 cable and male SMA. For other connectors or cable configurations, please consult factory. Circularly Polarized (CP) also available.

### Specifications

<b>Frequency:</b>	See above	<b>Front-to-Back ratio:</b>	15 dB
<b>Gain:</b>	See above	<b>Radome Size:</b>	2 1/2" Diam x 0.75" Depth (64 mm x 19 mm)
<b>Bandwidth@2:1 VSWR:</b>	See Freq above	<b>Antenna Radome:</b>	ASA plastic
<b>Impedance:</b>	50 Ohm nominal	<b>Weight:</b>	0.5 lbs (225 grams)
<b>Maximum Power:</b>	10 Watts	<b>Mounting:</b>	Double sided tape Suction Cup (optional)
<b>Operating Temp:</b>	-40° to +85° C	<b>Termination:</b>	10 ft (3 meters) LMR-100, with male SMA
<b>Beamwidth:</b>			
IW5-2400	80° Az, 80° EI		
IW7-3500	75° Az, 53° EI		
IW7-5250	60° Az, 60° EI		
IW7-5725	60° Az, 60° EI		

For special configurations, please consult factory.