

Thru-Window Antennas WiFi 2.4 & 5 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 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 & 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	Gain
IW5-2400	2.4-2.49 GHz	5 dBi
IW7-5250	5.15-5.35 GHz	7 dBi
IW7-5725	5.72-5.83 GHz	7 dBi
IW10-5500	4.9-6.0 GHz	10 dBi

Antennas available in white or black with 10 ft (3 meters) of LMR-100 cable and SMA Plug (Male).

Circularly Polarized (CP) also available.

Specifications

Frequency:	See above	Front-to-Back ratio:	15 dB
Gain:	See above	Radome Size:	2 1/2" Diam x 0.75" Depth (64 mm x 19 mm)
VSWR:	2:1 over band	Antenna Radome:	ASA plastic
Impedance:	50 Ohm nominal	Weight:	0.5 lbs (225 grams)
Maximum Power:	10 Watts	Mounting:	Double sided tape Suction Cup (optional)
Operating Temp:	-40° to +85° C	Termination:	10 ft (3 meters) LMR-100, with SMA Plug (Male)
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		

For special configurations, please consult your local sales representative.