



IW Series Thru-Window Antenna

Thru-Window Antennas WiMAX 3.5 GHz

- Perfect for In-Building & Mobile applications
- Model for 3.5 GHz WiMAX
- Semi-hemisphere radiation pattern for easy installation
- Unique design provides high performance at an economical price

Mobile Mark's IW Series Antennas are designed for In-Vehicle or In-Building WiFi or telemetry applications. The antennas are mounted on the inside of a windshield or building window with the radiating element focused outward.

The antenna is connected directly to the modem and serves to enhance and direct the wireless signal.

The antennas use a unique design 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. Because they have broad beamwidth, angle adjustment is usually not necessary.

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

The antenna comes in a variety of gain configurations, depending on the frequency of operation. The models listed here are designed for

WiMAX 3.5 GHz applications. Circularly Polarized (CP) models are also available.

These antennas mount economically using double-sided tape. An optional Suction Cup mount is available for temporary installs.

They terminate with 10 ft (3 meters) of LMR-100 cable, and a SMA Plug (Male). Custom cable assemblies are also available.

Model #	Frequency	Gain
IW7-3500-7C-BLK-120	3.4-3.70 GHz	7 dBi
IW7-3500-7C-WHT-120	3.4-3.70 GHz	7 dBi
<u>Color options available for above models</u> WHT-White or BLK-Black		
IW-SCM	Suction cup mount	
Circularly Polarized (CP) also available.		

Specifications			
Frequency:	3.4-3.7 GHz	Radome Size:	2 1/2" Diam x 0.75" Depth (64 mm x 19 mm)
Gain:	7 dBi	Antenna Radome:	ASA plastic
VSWR:	2:1 over band	Weight:	0.5 lbs (225 grams)
Impedance:	50 Ohm nominal	Mounting:	Double sided tape Suction Cup (optional)
Maximum Power:	10 Watts	Termination:	10 ft (3 meters) LMR-100, with SMA Plug (Male)
Operating Temp:	-40° to +85° C	For special configurations, please	consult your local sales representative.
Beamwidth:	80° Az, 60° El		
IW7-3500			
Front-to-Back ratio:	15 dB		