



IW Series Thru-Window Antenna

Thru-Window Antennas (Pat.Pend.)

Perfect for In-Building & Mobile applications

Semi-hemisphere radiation pattern for easy installation

Unique design provides high performance at an economical price

IW Series Antennas are perfect for In-Building and Mobile next generation Wireless Local Loop, WLAN and 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. It also is enclosed in a polycarbonate 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 antennas come 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
IW5-2400S	2.4-2.49 GHz	5 dBi Thru-Window

(3 meters) of LMR-100 cable and male SMA. For other connectors or cable configurations, please consult factory. 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)
Bandwidth@2:1 VSWR:	See Freq above	Antenna Radome:	Polycarbonate
Impedance:	50 Ohm nominal	Weight:	0.5 lbs (225 grams)
Maximum Power:	10 Watts	Mounting:	Double sided tape Suction Cup (optional)
Beamwidth:		Termination:	10 ft (3 meters) LMR-100, with male SMA
IW5-2400 S	80° Az, 80° El		

For special configurations, please consult factory.