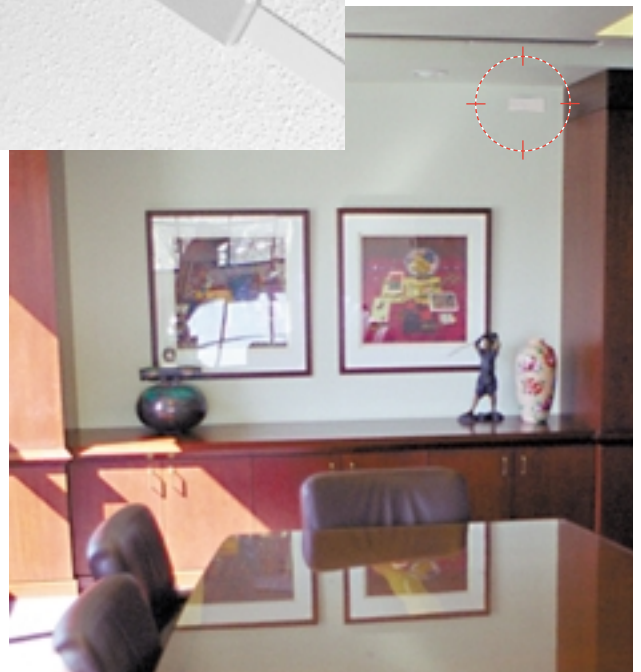
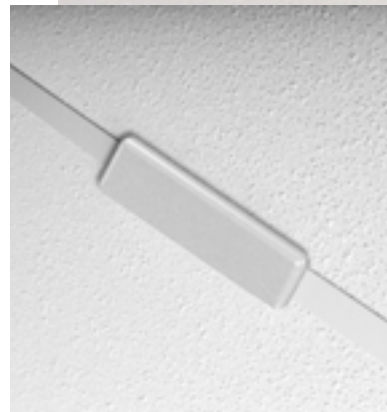
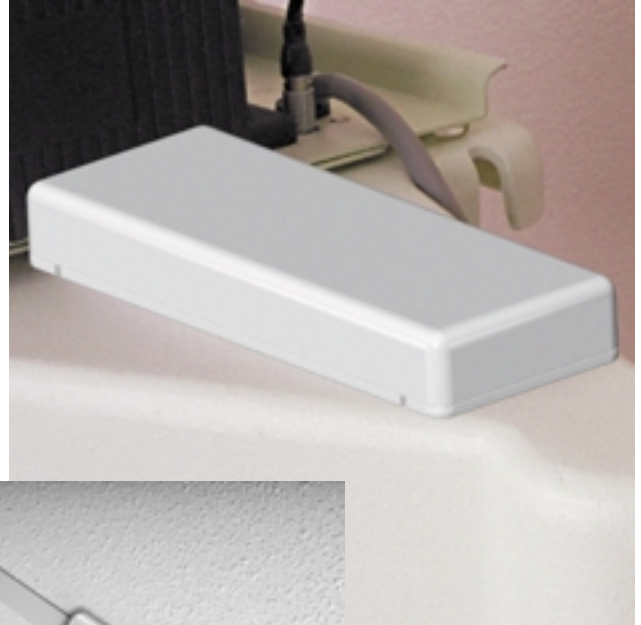


Xertex diversity antennas improve spectrum utilization in today's crowded RF spectrum to meet the increasing demand for wireless communication. For a broad range of interference-dominated wireless applications, system capacity and performance is significantly enhanced through the use of Xertex diversity antennas.

Xertex diversity antennas offer the unique advantage of multiple-port spatial diversity within a single, compact radome. This configuration allows for easier integration and mounting, at a lower overall cost.

Housed in sleek, low-profile packages, Xertex antennas offer a wide variety of mounting options for environmental use or integration with existing equipment housings, all with little visual impact.



SPECIFICATIONS

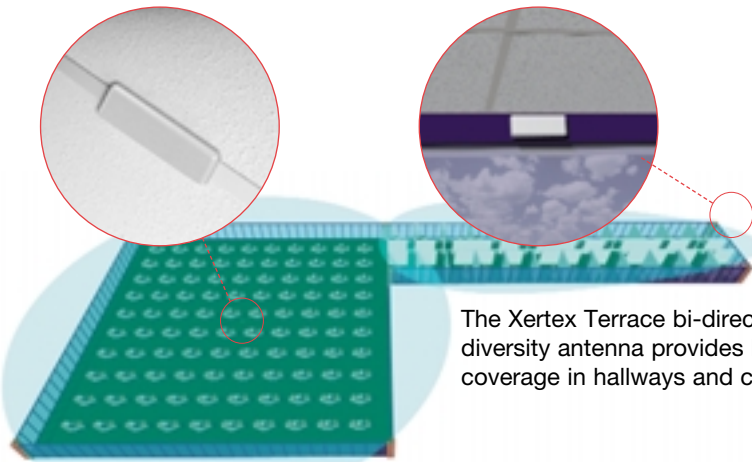
Customized and scalable to meet your frequency and application requirements

	Sphere Diversity		Terrace Diversity	Whisper Diversity
	Omnidirectional 1900 MHz	Omnidirectional 2400 MHz	Bi-Directional 2400 MHz	Directional 2400 MHz
Element Type	Air-Loaded Patch	Air-Loaded Patch	Air-Loaded Patch	Air-Loaded Patch
Frequency Range	1850-1990 MHz	2400-2500 MHz	2400-2500 MHz	2400-2500 MHz
Peak Gain	3.0 dBi	3.0 dBi	5.0 dBi	9.0 dBi
Polarization	Linear ¹	Linear ¹	Linear	Linear
Pattern (Total Power)	Omnidirectional	Omnidirectional	Bi-directional	Directional
Impedance	50 ohms	50 ohms	50 ohms	50 ohms
Maximum Input Power	50 watts	50 watts	50 watts	50 watts
VSWR (Min. Performance)	2.0:1	2.0:1	1.8:1	1.5:1
Connector	Customer Choice	Customer Choice	Customer Choice	Customer Choice
Size	18.3x6.9x2.5cm	18.3x6.9x2.5cm	18.3x6.9x2.5cm	36.3x21.9x15.3cm
Radome Material	ABS or Luran	ABS or Luran	ABS or Luran	Hyzod
Operating Temperature	-40° to +70° C	-40° to +70° C	-40° to +70° C	-40° to +70° C
Storage Temperature	-40° to +70° C	-40° to +70° C	-40° to +70° C	-40° to +70° C
Model Numbers ²				
With N-type connector	1900R3W-NF12	2450R3W-NF12	245BR5W-NF12	245LH9W-NF12
With SMA (male)	1900R3W-SM12	2450R3W-SM12	245BR5W-SM12	245LH9W-SM12

All models include a low-loss, RG142, plenum rated "pigtail" cable.

¹Contains both vertical and horizontal components, the ratio of which varies with the spatial location.

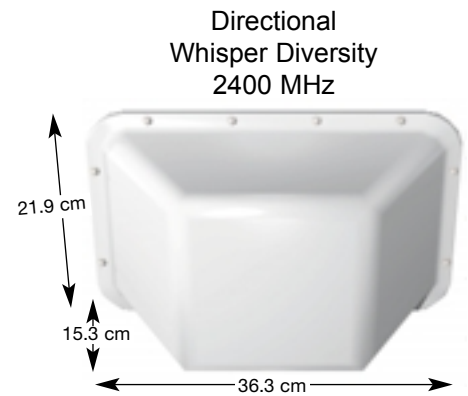
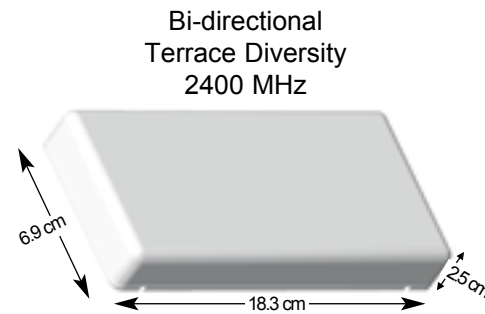
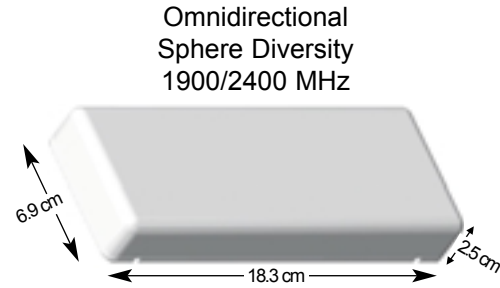
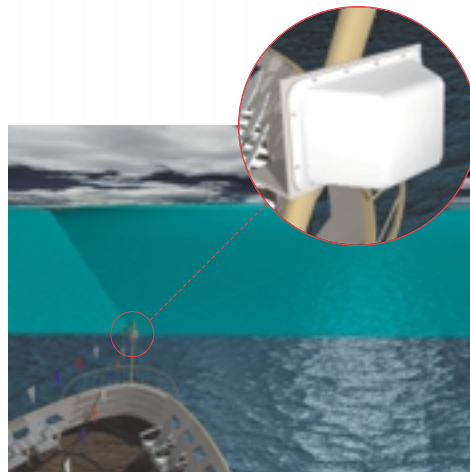
²Please contact your Xertex representative for different connector options and their part numbers.



The Xertex Terrace bi-directional diversity antenna provides high-gain coverage in hallways and corridors.

The Xertex Sphere omnidirectional diversity antenna is ideal for covering large open spaces from a single, ceiling-mounted location.

The Xertex Whisper directional diversity antenna provides high-gain coverage over 180°.



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