



DIRECTIONAL/BI-DIRECTIONAL ANTENNAS

Reliability Without the Expense...

Reliable coverage is always a priority in streamlining the effectiveness of wireless devices. This is especially crucial in commercial, office, campus and residential environments that strive to cover a multitude of users in an open space or long corridor.

Centurion's Whisper directional and Terrace bi-directional antennas offer an affordable option for in-building antenna systems. Our innovative designs blend into any atmosphere and provide excellent coverage in high traffic areas.

FEATURES & OPTIONS:

WHISPER - Directional Antenna

- Self contained in a durable sleek radome, the Whisper is designed to blend in anywhere - residential, campus or commercial
- Inexpensive yet reliable, the Whisper utilizes Centurion's patented technology to achieve maximum efficiency.
- Typical applications include wireless local loop, in-building wireless (voice and data), WLAN, DECT, WPBX, and broadband Internet access.



TERRACE - Bi-directional Antenna

- Utilizes a patented low-profile design to provide coverage in corridors or long hallways
- Provides outstanding performance in healthcare and office environments, where a long hallway presents a design or coverage challenge





In-Building

DIRECTIONAL/BI-DIRECTIONAL ANTENNAS

SPECIFICATIONS:

General specifications for In-Building Directional and Bi-Directional Antennas:

ELEMENT TYPE	Air-Loaded Patch
FREQUENCY RANGE	806-2500 MHz
PEAK GAIN	5.0-9.0 dBi
POLARIZATION ¹	Linear
IMPEDANCE	50 ohms
MAXIMUM INPUT POWER	50 watts
FRONT/BACK RATIO	18-20 dBi
VSWR (MIN. PERFORMANCE)	1.5:1-2.0:1
RADOME MATERIAL (INDOOR)	ABS or Luran
RADOME MATERIAL (OUTDOOR)	Kydex ² or Luran ²

All centurion products are designed for maximum efficiency and are customizable and scalable to meet your frequency and application requirements.

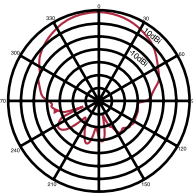
¹ Polarization axis is parallel to the cable axis, or along the long axis of the antenna for models without cable pigtails.

² UV tolerance rated to 7 years of outdoor exposure.

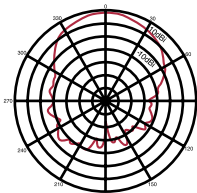
PATTERNS:

As displayed in these typical patterns, In-Building Directional and Bi-Directional antennas offer superior high-gain reception over a broad area.

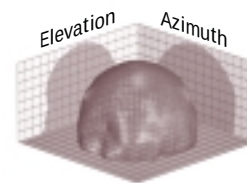
TYPICAL WHISPER ANTENNA PATTERNS



AZIMUTH PLANE
cut perpendicular to the antenna
and perpendicular to the cable

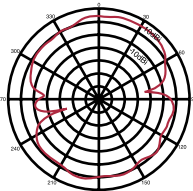


ELEVATION PLANE
cut perpendicular to the antenna
along the cable axis

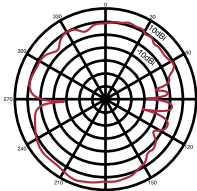


OMNI PLANE
Spherical Projection

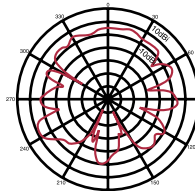
TYPICAL TERRACE ANTENNA PATTERNS



AZIMUTH PLANE
cut perpendicular to the antenna
and perpendicular to the cable



ELEVATION PLANE
cut perpendicular to the antenna
along the cable axis



OMNI PLANE
cut perpendicular to the antenna
along the cable axis

Specifications subject to change without notice