

1900 MHz Sphere

Model Number:

Omnidirectional In-Building Antenna

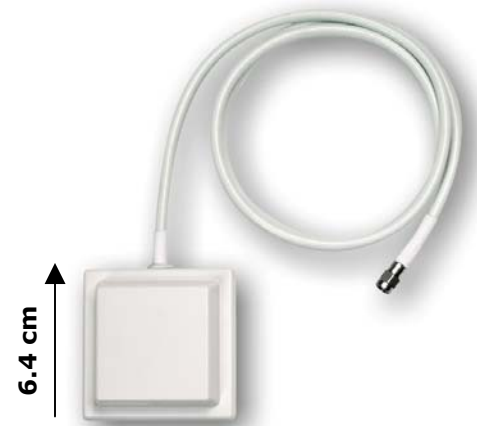
IO1900

Specifications:

Element Type	Air-Loaded Patch
Frequency Range	1850-1990 MHz
Peak Gain	3 dBi
Polarization¹	Linear
Impedance	50 ohms
Maximum Input Power	50 watts
VSWR (Min. Performance)	2.0:1
Dimensions (L x W x H)	6.4 x 6.3 x 2.7 cm
Housing	ABS
Operating Temperature	-40° to +70°C
Storage Temperature	-40° to +70°C

Includes a low-loss, RG 142, plenum rated "pigtail" cable.

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



Mounting:

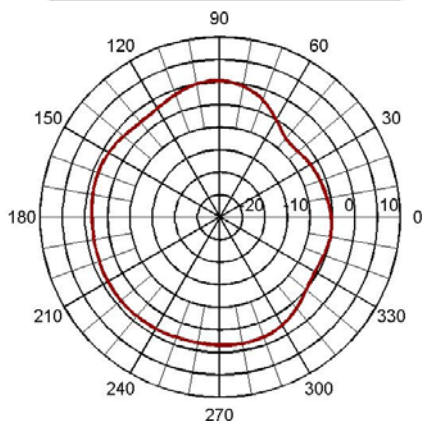
- Includes metal clip for mounting to a ceiling tile grid

Cables & Connectors:

Model #	Reference #	Plenum Rated Coax	Connector
IO1900-SM36	CAF94129	36" RG-142	SMA-Male
IO1900-NF12	CAF94130	12" RG-142	N-Female
IO1900-NF36	CAF94167	36" RG-142	N-Female

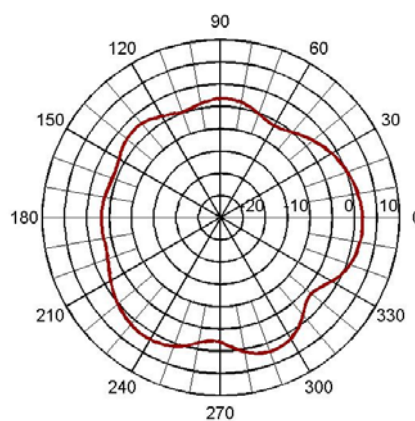


Pattern data files for SitePlanner are available at www.centurion.com or www.wirelessvalley.com.



Azimuth Plane

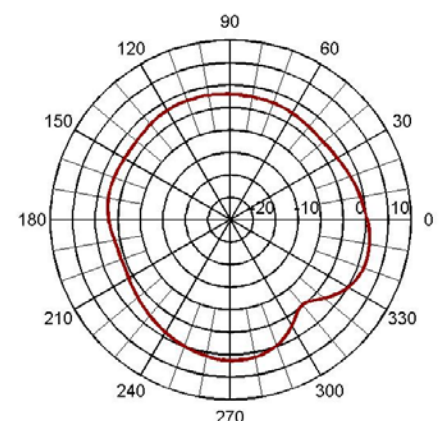
Cut perpendicular to the antenna and perpendicular to the cable



Elevation Plane

$\phi = 0$

Cut perpendicular to the antenna along the cable axis



Elevation Plane

$\phi = 90$

Cut perpendicular to the antenna along the cable axis

Specifications subject to change without notice.

IO1900a - 4/30/04