

PRODUCT DATA SHEET

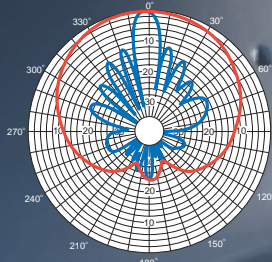
COMMUNICATIONS ANTENNAS



HIGH GAIN PATCH

- Wide 90 degree H-plane coverage
- Indoor/outdoor antenna
- Tilt and articulating mounts available
- Low visibility housing

■ H-Plane
■ E-Plane



S2401290P

S2401290P



2.4-2.5 GHz. 12 dBi, 90 Degree Sector and Wide Angle Coverage Directional Antenna

Cushcraft's 12 dBi gain, 90 degree "Wide H-plane" sector antenna offers the systems integrator both an antenna for use with sectorized base stations and a wide area coverage directional antenna for use where a wide directional pattern characteristic would be preferable to an omnidirectional pattern characteristic. Enclosed in an attractive UV-stable weatherproof radome, it is both attractive enough to satisfy indoor aesthetic requirements and rugged enough to withstand outdoor exposures.

Anywhere from one to four of the 90 degree sector antennas can be deployed at a base station site depending on the area coverage that is called for and single antennas can be mounted to a wall or mast to provide wide area directional coverage. The TM905BRK mechanical down-tilt mount can be used to mount the antenna to a mast and can also be used to customize the antenna pattern tilt whether mounting to a mast or a wall surface. The design is both electrically and mechanically robust ensuring a lifetime of stable, trouble-free service and predictable, reliable, consistent performance.

The standard antenna comes with a 12-inch low-loss coax pigtail and N female connector. Alternative coax cable lengths and connector types are also available.

SPECIFICATION CHART

Model	Freq. MHz	Gain dBi	VSWR	Polarization	-3dB bwwidth E-Plane H-Plane	Weight lb (kg)	RF Connector (f)	Dimensions in. (cm)	Power (Watts)	Mount Style
S2401290P12NF	2400-2500	12	2.0:1	Linear	10° 90°	1.0 (.45)	N	3 x 26 x 1 (7.6 x 66 x 2.5)	50	Wall/Mast
S1851290P12NF	1850-1990	12	2.0:1	Linear	10° 90°	1.6 (.73)	N	34 x 3 x 1.2 (86.4 x 7.6 x 3.0)	50	Wall/Mast
S1711290P12NF	1710-1880	12	2.0:1	Linear	10° 90°	1.6 (.73)	N	34 x 3 x 1.2 (86.4 x 7.6 x 3.0)	50	Wall/Mast