

**SECTORED AND WIDE-ANGLE COVERAGE DIRECTIONAL ANTENNA**

Laird Technologies' 12 dBi gain, 90° "Wide H-plane" sectored 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° sectored 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.

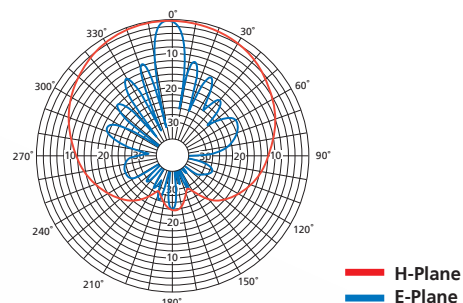
The standard antenna comes with a 12 inch low-loss coax pigtail and N female connector. Alternative coax cable lengths and connector types are also available.

**FEATURES**

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

**MARKETS**

- WiMAX



| PARAMETER              | S2401290P12NF                  | S1851290P12NF                      | S1711290P12NF                      |
|------------------------|--------------------------------|------------------------------------|------------------------------------|
| Frequency (MHz)        | 2400-2500                      | 1850-1990                          | 1710-1880                          |
| Gain (dBi)             | 12                             | 12                                 | 12                                 |
| VSWR                   | 2.0:1                          | 2.0:1                              | 2.0:1                              |
| Polarization           | Linear                         | Linear                             | Linear                             |
| -3dB Beamwidth E-Plane | 10°                            | 10°                                | 10°                                |
| -3dB Beamwidth H-Plane | 90°                            | 90°                                | 90°                                |
| RF connector (f)       | N                              | N                                  | N                                  |
| Dimensions in (cm)     | 3 x 26 x 1<br>(7.6 x 66 x 2.5) | 34 x 3 x 1.2<br>(86.4 x 7.6 x 3.0) | 34 x 3 x 1.2<br>(86.4 x 7.6 x 3.0) |
| Mount                  | Wall / Mast                    | Wall / Mast                        | Wall / Mast                        |
| Power (Watts)          | 50                             | 50                                 | 50                                 |
| Weight lbs (kg)        | 1.0 (.45)                      | 1.6 (.73)                          | 1.6 (.73)                          |

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