

Airgain )))

Available Part Numbers\*  
 N5260  
 N5260-100  
 N5260-100U  
 N5260-100C



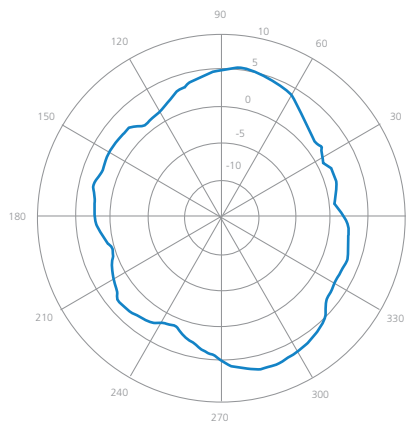
## Profile 560 Antenna

High gain embedded antenna for 5GHz devices

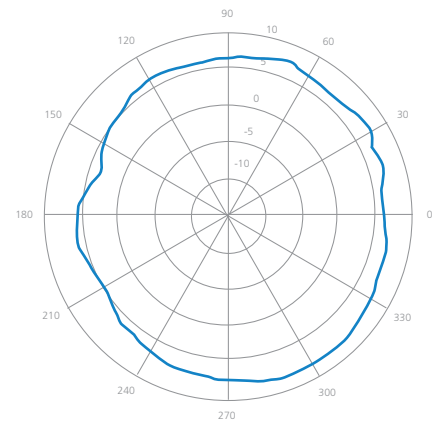
The Airgain Profile560 is a 5GHz high gain directional antenna that provides up to 6.0dBi of peak gain and up to 150 percent greater signal strength than a conventional dipole antenna. The Profile560 is compatible with all 802.11a and 802.11n standard equipment. The complete antenna subsystem can be easily integrated into existing form factors, eliminating the need for external antennas and ports while providing superior performance.

### ANTENNA RADIATION PATTERNS

AZIMUTH



ELEVATION



### FEATURES

- Fully compatible with 802.11a and 802.11n equipment
- Peak gain of 6dBi
- On-board or case mount can be easily integrated into existing form factors

### BENEFITS

- Eliminates external dipole antennas without sacrificing performance
- Can be mounted on external case, simplifying ID design and shortening product development cycle
- Superior performance in both vertical and horizontal orientations

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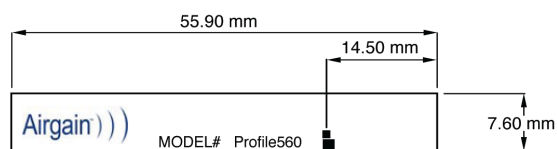
\*Part # Extensions:

###: cable length in mm (custom lengths avail.) U: includes U.FL connector(s) C: Ferrite Core with U.FL connector(s)

Expanding the Range of Wireless Possibilities

| PRODUCT SPECIFICATIONS |  |
|------------------------|--|
| Standard               | IEEE 802.11a and 802.11n   |
| Frequency Band         | 4.9 to 5.65 GHz  |
| Peak Gain              | 6.0 dBi (excludes 1dB cable loss)  |
| VSWR                   | 2:1 Max  |
| Polarization           | Linear, vertical   |
| Dimensions             | 56L x 7.5H x 0.8W mm   |
| Feed Impedance         | 50 Ohms  |
| Power Handling         | 30 dBm   |
| Interface              | Soldering pads on the front or back of antenna for one 50 ohm, 1.13mm diameter, micro coax cable |
| Temperature            | Operating: 0 to 60°C; Storage -20 to 70°C  |
| Humidity               | Operating: 0 to 70%; Storage 0 to 95% non-condensing   |
| Compliance             | FCC Part 15 Class B; RoHS compliant  |

## MECHANICAL DIMENSIONS



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