

Airgain)))

Available Part Numbers\*  
 N2420  
 N2420-100  
 N2420-100U  
 N2420-100C



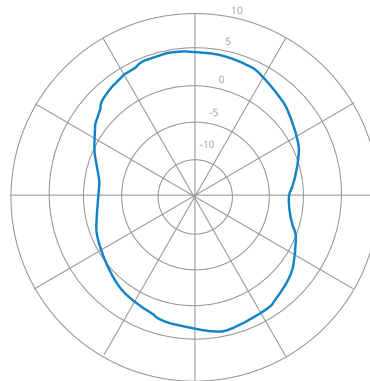
## Profile 20 Antenna

High gain embedded antenna for 2.4 GHz devices

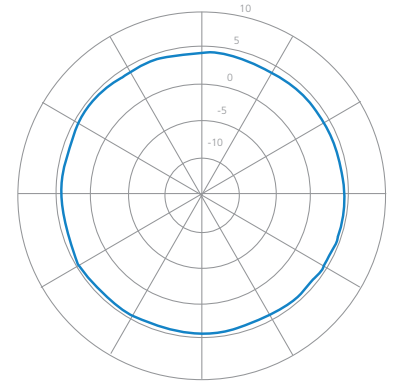
The Airgain Profile20, a compact 2.4GHz high gain directional antenna, provides up to 3.8dBi of peak gain and up to 100 percent greater signal strength than a conventional dipole antenna. The Profile20 is compatible with all 802.11b/g and 802.11n standard equipment and can easily be integrated into existing form factors, eliminating the need for external antennas and ports while providing superior performance.

### ANTENNA RADIATION PATTERNS

AZIMUTH



ELEVATION



### FEATURES

- Fully compatible with 802.11b/g and 802.11n equipment
- Peak gain of 3.8dBi
- 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:

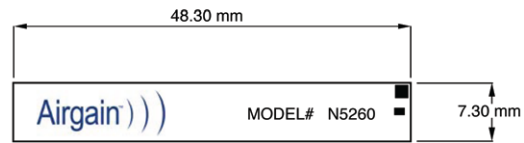
###: cable length in mm (custom lengths avail.) U: includes U.FL connector(s) C: Ferrite Core with U.FL connector(s)

Expanding the Range of Wireless Possibilities



PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11a and 802.11n
Frequency Band	2.4 to 2.49 GHz
Peak Gain	3.8 dBi (excludes 1dB cable loss)
VSWR	2:1 Max
Polarization	Linear, vertical
Dimensions	48.3L x 7.3H x 0.6W mm
Feed Impedance	50 Ohms
Power Handling	30 dBm
Interface	One set of soldering pads for 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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