

Airgain)))

Available Part Numbers*
 N2420D
 N2420D-100
 N2420D-100U
 N2420D-100C



Profile 20D Antenna

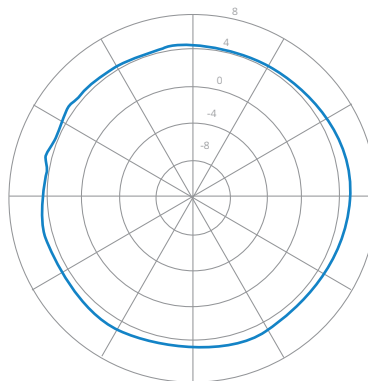
Dual Band, Single Feed antenna for MIMO systems

The Airgain Profile20D, a single feed, dual band antenna, provides up to 3.8dBi of peak gain. Designed to provide peak performance for routers, gateways and client devices, the Profile20D offers the flexibility of an embedded antenna design. The Profile20D supports dual band transmission in the 2.4GHz and 5GHz bands, and can accommodate concurrent transmission when integrated in a diplexer-based system. The complete antenna subsystem can be easily integrated into existing form factors eliminating the need for external antennas and ports while providing superior performance.

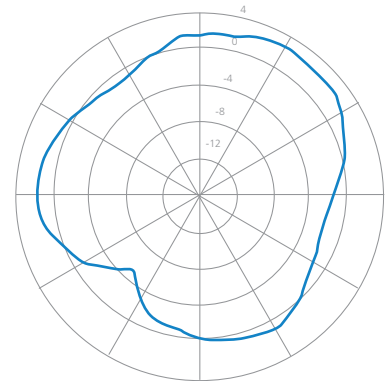
ANTENNA RADIATION PATTERNS

AZIMUTH

2.4GHz



5.2GHz



FEATURES

- Fully compatible with 802.11b/g and 802.11n equipment
- Peak gain 3.8dBi at 2.4GHz; 3.0dBi at 5.2GHz
- Simple case mount accommodates easy integration in 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 802.11b/g/a and 802.11n
Frequency Band	2.4 to 2.49 GHz and 4.9 to 5.7 GHz
Peak Gain	3.8 dBi @2.44GHz, 3.0 dBi @5.2GHz (pre-cable loss)
VSWR	2:1 Max
Polarization	Linear, vertical
Dimensions	48L x 13W x 1H 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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