

# Airgain)))

**Available Part Numbers\***  
 A2440L  
 A2440L-100  
 A2440L-100U  
 A2440L-100C



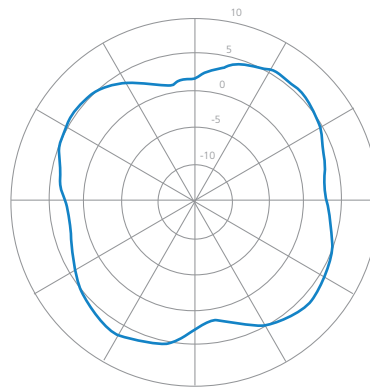
## Profile 40L Antenna

High gain embedded antenna for access points and client devices

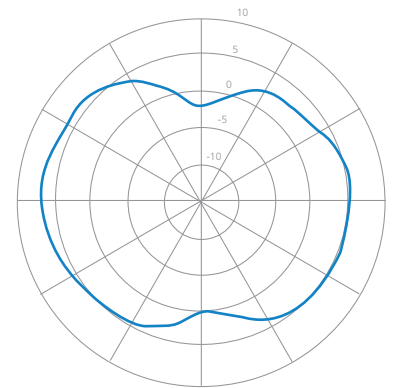
The Airgain Profile40L is a 2.4GHz, high gain directional PCB antenna that provides up to 4.0dBi of peak gain and provides up to 2.0dBi greater gain than a conventional dipole antenna. The Profile40L is compatible with all 802.11b/g and draft-N standard equipment and is chip set platform independent. The complete antenna sub-assembly includes a 1.13mm diameter RF cable in 35mm or 100mm lengths and 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 802.11 b/g and new draft-N equipment
- Peak gain of 4.0dBi
- On-board or case mount can be easily integrated into existing form factors
- Equipped with 1.13mm stripped cable in 35mm or 100mm lengths

### BENEFITS

- Eliminates external dipole antennas without sacrificing performance
- Simplify product design and improve time to market
- Superior performance in both vertical and horizontal orientations

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\*Part # Extensions:

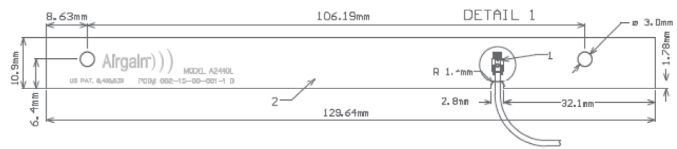
###: cable length in mm (custom lengths avail.) U: includes U.FL connector(s) C: Ferrite Core with U.FL connector(s)

Expanding the Range of Wireless Possibilities



PRODUCT SPECIFICATIONS	
Standard	IEEE 802.11b/g/n
Frequency Band	2.4 to 2.497 GHz
Peak Gain	4.0 dBi
VSWR	2:1 Max
Polarization	Linear, vertical
PCB Dimensions	130L x 11H x 2W mm
Cable Assembly	1.13mm stripped cable. Available in 35mm and 100mm lengths
Feed Impedance	50 Ohms
Power Handling	30 dBm
Temperature	Operating: 0 to 600C; Storage -20 to 700C
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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