

# Airgain )))

**Available Part Numbers\***  
**A2440**  
**A2440-100**  
**A2440-100U**  
**A2440-100C**



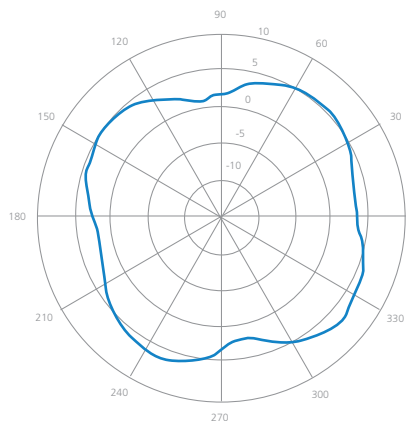
## Profile 40 Antenna

High gain embedded antenna for access points and client devices

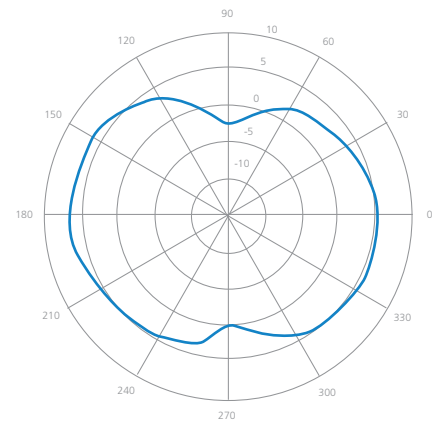
The Airgain Profile40 is a 2.4GHz, high gain directional antenna that provides up to 4.0dBi of peak gain and up to 2.0dBi greater gain than a conventional dipole antenna. The Profile40 is compatible with all 802.11b/g and draft-N standard equipment and is available on multiple chip set platforms. The 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 802.11 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

### 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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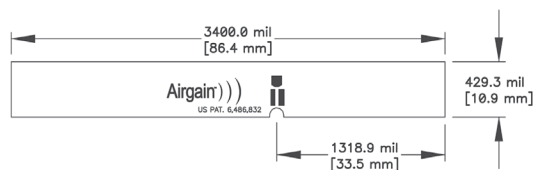
**\*Part # Extensions:**

###: 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 802.11 b/g/n
Frequency Band	2.4 to 2.497 GHz
Peak Gain	4.0 dBi
VSWR	2:1 Max
Polarization	Linear, vertical
Dimensions	86L x 11H x 2W mm
Feed Impedance	50 Ohms
Power Handling	30 dBm
Mounting	On-board or case mount
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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