

## Airborne™ Accessories

ACH2-AT-DP000 Antennas

ACH0-CA-DP000 Adapter Cables

Airborne™ Accessories are designed for connection to 802.11 wireless devices operating in the 2.4GHz ISM band. These accessories fully support the entire line of Airborne™ wireless 802.11 products. This wide assortment is intended to provide OEMs with solutions that meet the demanding and diverse requirements for any application including transportation, medical, warehouse logistics, POS, industrial, military and scientific applications. OEMs can select from these fully tested accessories or integrate their own solution.

### Applications

The Airborne™ Antenna family offers antennas for embedded applications, fixed stations, mobile operation and client side devices, and for indoor and outdoor applications. The antennas feature RP-SMA, N-type and U.FL connectors that provide the designer with flexible ways to connect to Airborne wireless products.

A wide range of antenna types and gain options enable an OEM to select the antenna that best matches their application requirements. The lower gain and smaller antennas, such as the “rubber duck” antennas, fit applications where the range is not required to exceed 200-400m while the higher gain directional antennas would be suitable for extended range that require greater than 800m reach.

### Specialty Antenna

To meet the demands for targeted solutions in the transportation industry, consider the ACH2-AT-DP011, a low profile, mobile, high gain omnidirectional whip antenna with an integrated magnetic mount.

Customized antenna options are also available.



- Recommended for Airborne™ 802.11 embedded and external system bridge products
- All accessories support Airborne products in OEM applications in all industries
- Antennas designed for external mounting, mobile or fixed station, and indoor and/or outdoor operation
- Select from a variety of radiation patterns and gain options to suit your application
- RP-SMA, N-Type and U.FL connectors supported
- Adapter cables also available

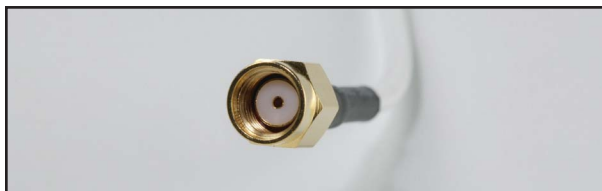
## Product Line

| Model No.     | Description  | Indoor/Outdoor | Internal/External | Gain         | Connector | Style                 | Radiation Pattern |
|---------------|--|----------------|-------------------|--------------|-----------|-----------------------|-------------------|
| ACH2-AT-DP002 | 2DbI Portable(Rubber duck) Antenna (RP-SMA)                        | I              | E                 | 2 dBi        | RP-SMA    | Whip                  | Omni              |
| ACH2-AT-DP003 | 5DbI Portable (Rubber duck) Antenna (RP-SMA)                       | I              | E                 | 5 dBi        | RP-SMA    | Whip                  | Omni              |
| ACH2-AT-DP004 | 5DbI Portable(Rubber duck) Antenna, Flying Lead (U.FL)             | I              | E                 | 5 dBi        | U.FL      | Whip                  | Omni              |
| ACH2-AT-DP005 | 15 dBi Corner Reflector Antenna (RP-SMA), Indoor/Outdoor           | I/O            | E                 | 15 dBi       | RP-SMA    | Corner Reflector      | Directional       |
| ACH2-AT-DP006 | 7 dBi Patch (RP-SMA) Antenna, Indoor/Outdoor                       | I              | E                 | 7 dBi        | RP-SMA    | Patch                 | Directional       |
| ACH2-AT-DP007 | 8.5 dBi Fiberglass Omnidirectional Antenna (N-Type) Indoor/Outdoor | I/O            | E                 | 8.5 dBi      | N-type    | Fiberglass            | Omni              |
| ACH2-AT-DP008 | 10 dBi Patch Antenna (RP-SMA) Indoor/Outdoor                       | I/O            | E                 | 10 dBi       | RP-SMA    | Patch                 | Directional       |
| ACH2-AT-DP009 | 20 dBi Panel (N-Type) Antenna, Indoor/Outdoor                      | I/O            | E                 | 20 dBi       | N-Type    | Patch                 | Directional       |
| ACH2-AT-DP010 | 11 dBi Fiberglass Omnidirectional Antenna (N-Type) Indoor/Outdoor  | I/O            | E                 | 11 dBi       | N-Type    | Fiberglass            | Omni              |
| ACH2-AT-DP011 | 5 dBi Magnetic mount vehicle Antenna, Indoor/Outdoor               | I/O            | E                 | 5 dBi        | RP-SMA    | Whip - Magnetic mount | Omni              |
| Model No.     | Other Accessories  | Indoor/Outdoor | Internal/External | Connector    |           | Cable Length          |                   |
| ACH0-CA-DP001 | Adapter Cable, U.FL (plug) to U.FL (plug), 200mm, Internal         | -              | I                 | U.FL to U.FL |           | 200mm                 |                   |
| ACH0-CA-DP004 | Adapter Cable, RP-SMA (Jack) to U.FL (plug), 100mm, Indoor/Outdoor | I/O            | -                 | RP-SMA       |           | 100mm                 |                   |



### Adapter Cable U.FL (Plug) to U.FL (Plug) ACH0-CA-DP001

This adapter makes the connection from the Airborne™ embedded module to a board-mounted U.FL connector. This allows a direct coaxial connection between the Airborne™ module and the main-board. Connection to the antenna can then be made through routing and appropriate board mounted connector.



### Adapter Cable RP-SMA (Jack) to U.FL (Plug) ACH0-CA-DP004

This adapter is designed to provide an enclosure-mountable direct cable connection to the Airborne™ embedded modules. The DP004 eliminates the need for board-level design or RF layout by enabling a direct Coaxial connection between the Airborne module and an RP-SMA Jack. An RP-SMA jack can be directly mounted to the equipment enclosure.