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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

***“WARNING!******FCC Radiation Exposure Statement:***

*This equipment complies with FCC’s RF radiation exposure limits set forth for an uncontrolled environment under the following conditions:*

- 1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) & user’s/nearby person’s body at all times*
- 2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.”*

**PREFACE****COPYRIGHT STATEMENT**

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**ID-R400****INTRODUCTION**

airPointe delivers software and hardware solutions that enable healthcare organizations to streamline operations, improve quality-of-care, reduce costs and generate additional revenue.

airPointe develops an innovative next generation Intelligent Real-Time Location System (i-RTLS) which can gather data on high-value assets within an organization, including medical equipment, clinical staff, patients and visitors. An active RF tag is placed on an item or person that requires monitoring.

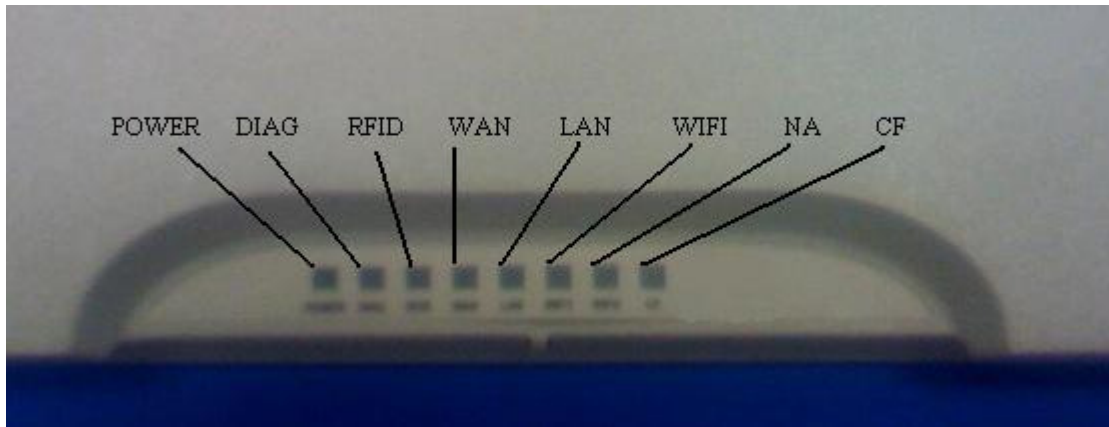
Information, or data, is intelligently and automatically collected from each active tag by airPointe's ID-R400 router. This data is transcribed to identify the asset type, the exact location, movement timestamp and other desired device attributes. This allows specific items to be easily located anywhere within the airPointe network, as well as their proximity relationship to each other.

**FEATURES**

- Embedded LAN - 10/100 full duplex Ethernet LAN and WAN ports
- Redundant power supply capable
- Integrated 802.11 a/b/g - capable of 108Mb/s in homogeneous networks
- Embedded long range RFID agile transceiver
- Support for all ISM frequency bands
- Fault tolerant traffic controls and fault resilient power management
- Auto wireless network calibration and self-configuration
- Embedded DSP for strong encryption and firewall security
- Type II compact FLASH slot
- Embedded XML WebServer Appliance Services
- Intelligent data flow management & data capture for fault resilient

**ID-R400****HARDWARE**

The tags are incased in a 3 3/16" x 2 5/16" x 5/16 (8cm x 5.8cm x .8cm) UL rated ABS Cellcore plastic housing and contain the internal components of a RF transmitter and battery source.

**LED Indicators**

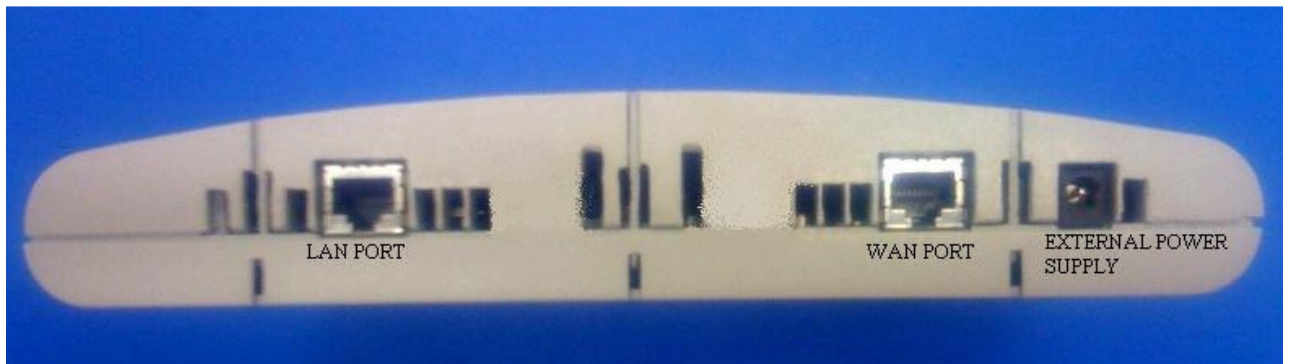
There are 8 LEDs on the front of the ID-R400. As you look at the front of the device starting on the left the LEDs represent as follows:

- Power- LED signifies that the device has power applied through an external power supply. Remains constantly lit when power applied
- DIAG (Diagnostic) - LED signifies that the processor is properly functioning. Should blink on and off at the frequency of one second.
- RFID- LED signifies RF activity is being sensed by the router, should be constantly toggling if RF is present
- WAN- LED signifies that the router has a connection to the Wide Area Network. Should blink if connection is present.
- LAN (status on the Local Area Connection) – LED signifies that the router has Local Area Network activity. Should blink if connection is present.
- WiFi- (Option) LED signifies that WiFi card is installed. LED will remain constant if card is installed.
- NA – Non-Applicable with this model

-CF- (Option) LED signifies that a compact flash card has been inserted into compact flash slot. LED will remain constant if compact flash card is present.

## **ID-R400**

### **Data Connections**



There are three inputs as you look at the top of the device. As the router lay on its back (the flat side) the inputs are as follows:

- LAN Port- This RJ-45 jack is for the option of setting up a sub network using the router as a gateway.
- WAN Port – This RJ-45 jack is used to connect the device to the Wide Area Network and is PoE capable.
- External Wall Power Supply – a supplied 120 volt power source can be used as an alternate to PoE.

### **Antennas**

There are two fixed non adjustable omni directional RF antennas that will point to the ground when router is properly fixed to the wall.

## **ENVIRONMENTAL LIMITS**

Humidity: 0%-95% non-condensing

Temperatures: 0° C to 70°C



*If device is exposed to temperatures or humidity levels outside of the parameters above, it may cause the device to not function properly.*

## **CUSTOMER SUPPORT**

### **AIRPOINTE CUSTOMER SUPPORT**

airPointe gives the ability to intended parties to contact airPointe directly if any problems should arise.

-Customer Support

Via Phone: 603.994.2200

Via Email: [support@airpointe.com](mailto:support@airpointe.com)

Via the Web: [www.airpointe.com/support](http://www.airpointe.com/support)