

# RFC1000-CE Cloud Relay

## MadgeTech Cloud Services Data Logging Hub



The RFC1000-CE Cloud Relay is a small, powerful device which transmits real-time and recorded data directly to the MadgeTech Cloud without the need of a central PC. With the RFC1000-CE Cloud Relay and MadgeTech Cloud Services, real-time data is easily viewed from any internet enabled device, anywhere in the world.

The simple design of the RFC1000-CE Cloud Relay enables seamless integration and simplicity in implementing a wireless data logging system. Featuring a 2.55 inch pivoting antenna, the RFC1000-CE Cloud Relay can be easily wall mounted or seated on any flat stable surface.

The RFC1000-CE Cloud Relay connects directly to an Ethernet jack for internet access to communicate with the MadgeTech Cloud server. Each RFC1000-CE Cloud Relay can transmit data from up to 64 wireless data loggers, with no limit on the number of Cloud Relays that can be connected to a MadgeTech Cloud account. This provides the ultimate scalable system to accommodate businesses and facilities of all sizes, from a single logger to dozens of locations.

All data is stored in the cloud, with the option to download and save to CSV files for easy record keeping and further analysis.

## Features

- CE Compliant
- Transmits Data to the Cloud
- Virtually Limitless Scalability
- Compatible with the RFOT and 2000A Series of Data Loggers
- Configurable Alerts & Notifications
- Multiple LED Indicators
- Quick and Easy Set Up
- Download Data to CSV

## Applications

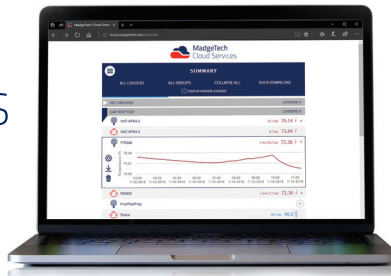
- Facility Monitoring
- General Wireless Data Logging
- Meat Cooking, Cooling & Storage
- Medical Storage
- Laboratory Monitoring
- Blood Banks
- Hospitals
- Warehouses

## System Requirements

- Ethernet Jack for Internet Access
- MadgeTech Cloud Services Account
- Electrical Outlet
- MadgeTech Wireless Data Loggers (Sold Separately)



The MadgeTech Cloud Services data logging platform provides continuous logging and monitoring of temperature, pressure, humidity data and more, while giving users instant remote access from any location. Data is transmitted from wireless data loggers directly to the RFC1000 Cloud Relay and relayed to the MadgeTech Cloud. From there, it can be viewed on any internet enabled device such as a computer, tablet, smartphone or other mobile device.



## Cloud Features

- View Data From Anywhere
- Access Data Instantly & Securely
- Text & Email Notifications
- Quick & Easy Setup

## Supported Parameters

- Temperature
- Humidity
- Pressure
- Carbon Dioxide
- And more!

# RFC1000-CE Cloud Relay

## SPECIFICATIONS

Specifications are subject to change without notice. Specific warranty remedy limitations apply. Call (603) 456-2011 or go to [madgetech.com](http://madgetech.com) for details.

<b>Interface Type</b>	Ethernet; Wireless (to data logger)
<b>Operating Environment</b>	<b>RFC1000-CE Cloud Relay:</b> -20 °C to +85 °C (-4 °F to +185 °F), 0 %RH to 95 %RH non-condensing <b>Power Supply:</b> 0 °C to +40 °C (+32 °F to +104 °F), 20 %RH to 85 %RH non-condensing
<b>LED Indicators</b>	<b>Cloud:</b> Red, Amber and Green <b>Com:</b> Red, Amber and Green <b>Power:</b> Red <b>Data:</b> Green
<b>Maximum Number of Connected Data Loggers</b>	64 data loggers per RFC1000-CE Cloud Relay
<b>Compatible Data Loggers</b>	RFOT and 2000A Series
<b>Transmission Distance (to data loggers)</b>	<b>Unobstructed line-of-sight (outdoors):</b> 2,000 ft max. <b>Typical urban environment (indoors):</b> 500 ft max.
<b>Transmission Distance (to other RFC1000's)</b>	<b>Unobstructed line-of-sight (outdoors):</b> 2,500 ft max. <b>Typical urban environment (indoors):</b> 700 ft max.
<b>Frequency</b>	2.405 GHz - 2.475 GHz
<b>Enclosure Materials</b>	<b>Body:</b> ABS Plastic <b>Antenna:</b> PVC Plastic
<b>IP Rating</b>	IP40
<b>Dimensions</b>	<b>Body:</b> 6.0 in x 6.24 in x 1.15 in (152.2 mm x 158.6 mm x 29.3 mm) <b>Antenna:</b> 2.55 in (64.8 mm)
<b>Weight</b>	11.29 oz (320 g)
<b>Approvals</b>	US (FCC), CA (IC), CE

## Ordering Information

RFC1000-CE Cloud Relay	PN 901901-00	MadgeTech Cloud Services Data Logging Hub
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