

# RFC1000 CLOUD RELAY

## MADGETECH CLOUD SERVICES

### DATA LOGGING HUB



#### Features

- Transmits Data to the Cloud
- Virtually Limitless Scalability
- Compatible with the RFOT, Therm-A-lert Series 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 RFC1000 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 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 Cloud Relay enables seamless integration and simplicity in implementing a wireless data logging system. Featuring a seven inch pivoting antenna, the RFC1000 Cloud Relay can be easily wall mounted or seated on any flat stable surface.

The RFC1000 Cloud Relay connects directly to an Ethernet jack for internet access to communicate with the MadgeTech Cloud server. Each RFC1000 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.



The MadgeTech Cloud Hosted 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.

#### 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 CLOUD RELAY SPECIFICATIONS\*

<b>Interface Type</b>	Ethernet; Wireless (to data logger)
<b>Operating Environment</b>	<ul style="list-style-type: none"><li>• RFC1000 Cloud Relay: -20 °C to +85 °C (-4 °F to +185 °F), 0 %RH to 95 %RH non-condensing</li><li>• Power Supply: 0 °C to +40 °C (+32 °F to +104 °F), 20 %RH to 85 %RH non-condensing</li></ul>
<b>LED Indicators</b>	<ul style="list-style-type: none"><li>• Cloud: Red, Amber and Green</li><li>• Com: Red, Amber and Green</li><li>• Power: Red</li><li>• Data: Green</li></ul>
<b>Maximum number of connected data loggers</b>	64 data loggers per RFC1000 Cloud Relay
<b>Compatible Data Loggers</b>	RFOT, Therm-A-lert Series and 2000A Series
<b>Transmission Distance to Data Logger</b>	<ul style="list-style-type: none"><li>• Unobstructed line-of-sight (outdoors): 2,000 feet max</li><li>• Typical urban environment (indoors): 500 feet max</li></ul>
<b>Transmission Distance to RFC1000</b>	<ul style="list-style-type: none"><li>• Unobstructed line-of-sight (outdoors): 4,000 feet max</li><li>• Typical urban environment (indoors): 1,000 feet max</li></ul>

<b>Enclosure Materials</b>	Body: ABS Plastic Antenna: PVC Plastic
<b>Frequency</b>	2.405 GHz - 2.475 GHz
<b>Ingress Protection</b>	IP40
<b>Dimensions</b>	<ul style="list-style-type: none"><li>• Body: 6.0 in x 6.24 in x 1.15 in (152.2 mm x 158.6 mm x 29.3 mm)</li><li>• Antenna: 7.2 in (183 mm)</li></ul>
<b>Weight</b>	11.29 oz ( 320 g)
<b>Approvals</b>	US (FCC), CA (IC)

## ORDERING INFORMATION

\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO [WWW.MADGETECH.COM](http://WWW.MADGETECH.COM) FOR DETAILS.

MODEL	DESCRIPTION
RFC1000 Cloud Relay	MadgeTech Cloud Services Data Logging Hub

For Quantity Discounts call (603) 456-2011 or email [sales@madgetech.com](mailto:sales@madgetech.com)

### Countries approved for use, purchase and distribution of the RFC1000 Cloud Relay:

USA, Canada, Chile, Columbia, Ecuador, Honduras, India, Malaysia, Mexico, Peru, Singapore, South Africa, Thailand, Venezuela, Vietnam



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