

RFC1000 Cloud Relay

MadgeTech Cloud Services Data Logging Hub



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.



MadgeTech Cloud Services

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!

Features

- 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)

RFC1000 Cloud Relay

SPECIFICATIONS

Interface Type	Ethernet; Wireless (to data logger)
Operating Environment	RFC1000 Cloud Relay: -20 °C to +85 °C (-4 °F to +185 °F), 0 %RH to 95 %RH non-condensing Power Supply: 0 °C to +40 °C (+32 °F to +104 °F), 20 %RH to 85 %RH non-condensing
LED Indicators	Cloud: Red, Amber and Green Com: Red, Amber and Green Power: Red Data: Green
Maximum Number of Connected Data Loggers	64 data loggers per RFC1000 Cloud Relay
Compatible Data Loggers	RFOT and 2000A Series
Transmission Distance (to data loggers)	Unobstructed line-of-sight (outdoors): 2,000 ft max. Typical urban environment (indoors): 500 ft max.
Transmission Distance (to other RFC1000's)	Unobstructed line-of-sight (outdoors): 4,000 ft max. Typical urban environment (indoors): 1,000 ft max.
Frequency	2.405 GHz - 2.475 GHz
Enclosure Materials	Body: ABS Plastic Antenna: PVC Plastic
IP Rating	IP40
Dimensions	Body: 6.0 in x 6.24 in x 1.15 in (152.2 mm x 158.6 mm x 29.3 mm) Antenna: 7.2 in (183 mm)
Weight	11.29 oz (320 g)
Approvals	US (FCC), CA (IC)

Ordering Information

RFC1000 Cloud Relay	PN 901900-00	MadgeTech Cloud Services Data Logging Hub
---------------------	--------------	-------------------------------------------

Countries approved for use, purchase and distribution of the RFC1000 Cloud Relay: USA, Canada, Chile, Colombia, Ecuador, Honduras, India, Malaysia, Mexico, Peru, Singapore, South Africa, Thailand, Venezuela, Vietnam



DOC-1321009-00 REV 3 2021.06.07