RFC1000-CE
Wireless RF Transceiver and Repeater

MadgeTech's RFC1000-CE is a wireless transceiver for use with the RFOT and RF2000A Series of data loggers and is CE approved for the European market. The RFC1000-CE transmits to other RFC1000-CEs up to 2500 feet outdoors/line of sight, 700 feet typical indoors/urban. The RFC1000-CE transmits to data loggers up to 2000 feet outdoors/line of sight, 500 feet typical indoors/urban. Additional RFC1000-CEs can be used as repeaters to transmit greater distances or around obstacles.

The RFC1000-CE is designed to communicate between MadgeTech's two-way wireless data loggers and the MadgeTech software and can connect to a maximum of 64 data loggers. Through the use of the software and the RFC1000-CEs, remote data loggers can be started, stopped and downloaded wirelessly. This time saving feature streamlines processes for maximum efficiency.

The RFC1000-CE also includes an external antenna, allowing more flexibility with mounting positions in both orientation and proximity to metal walls. This may be used as a repeater, or directly plugged into the PC.

Features

- Functions as Both a Repeater and a Transceiver
- Green and Red LED Indicators
- Compatible with MadgeTech's RFOT and 2000A Series Data Loggers

Applications

- Real-Time Data Logging
- Meat Cooking and Cooling
- Meat Storage
- Smoke Houses
- Food Processing
- Medical Storage
- Laboratory Monitoring
- Blood Banks
- Hospitals
- Warehouses

SPECIFICATIONS

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

Interface Type	USB (to PC) / Wireless (to Data Logger)
Materials	ABS plastic (body), PVC plastic (antenna)
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-CE's)	**Unobstructed line-of-sight (outdoors):** 2,500 ft max. **Typical urban environment (indoors):** 700 ft max.
RFC Sensitivity	-95 dBm Typical
Frequency	2.405 GHz - 2.475 GHz
Operating Environment	-20 °C to +85 °C (-4 °F to +185 °F), 0 %RH to 95 %RH non-condensing
Dimensions	Enclosure: 3.79 in x 1.57 in x 0.79 in (96.3 mm x 40.0 mm x 20.0 mm) Antenna: 2.71 in (68.8 mm)
Weight	1.4 oz (40 g)
Approvals	FCC ID: OA3MRF24J40MC, IC#: 7693A-24J40MC, CE, ETSI 300 328 (EU R&TTE)

Ordering Information

RFC1000-CE	PN 901388-00	Wireless RF transceiver/repeater CE approved. USB to mini USB adapter and power supply included.