

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.

SPECIFICATIONS

Specifications are subject to change without notice. Specific warranty remedy limitations apply.

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.
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Countries approved for use, purchase and distribution of the RFC1000-CE: Australia, Austria, Belgium, Bulgaria, Canada, Chile, China, Colombia, Croatia, Cyprus, Czech Republic, Denmark, Ecuador, Estonia, Finland, France, Germany, Greece, Honduras, Hungary, Iceland, Ireland, Israel, Japan, Latvia, Liechtenstein, Lithuania, Luxembourg, Malaysia, Malta, Mexico, New Zealand, Norway, Peru, Poland, Portugal, Romania, Saudi Arabia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Thailand, The Netherlands, Turkey, United Kingdom, United States, Venezuela, Vietnam



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