

EMERIS TRC603 Radio Modem

Specification Sheet



What is it?

The TRC603 Radio Modem is a simple way of receiving water meter data. It contains a Radio Frequency transmitter/receiver that can be plugged into a PC or hand-held computer, giving the meter reader the freedom of collecting data from a meter interface unit (MIU).

Benefits

- Can be used to control a network over a range of several hundred meters making it the perfect tool for sub-metering
- Simple, easy to install, mobile meter reading on your PC
- Tamper, leak and low battery alarms can be detected immediately

Features

- Long range, licence-free Radio Frequency transmission
- Reliable and secure radio communication
- Lightweight at less than 50g
- Choice of USB or RS232 interfaces



TRC603 Radio Modem

Specification:



Physical Specifications

Weight:	Less than 50g
Dimensions:	96mm L x 47mm W x 24mm D

Radio Specifications

Operating frequency:	433 / 868 / 915 MHz with FHSS
Transmitter:	10mW for 433MHz, 25mW for 868MHz, up to 1W for 915MHz
Receiver sensitivity:	-110dBm (with a BER of 0.1% at 9.6 kbps)
Data rate:	Up to 150 kbps
Range:	Indoors: Up to 200m (typical)

Regulatory

Complies with EN 300-220-1 regulations
No licence required for operation

Environmental

Operating temperature:	-20°C to +70°C
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Connectivity

Compatibility:	OCX drivers for Windows 2000, XP and Windows CE 3.0 and CE.net 4.2 Compatible with Visual C++, Visual Basic
Interface:	USB or RS232

Power Consumption

Power source:	USB: Powered through USB port RS232: Separate power supply (4.5V-6V DC)
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