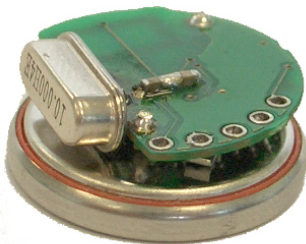


# TM2200

# Data Sheet

## Features



### RC550X Controller specs:

- 2000 tag simultaneous identification
- 100 tag/sec. identification rate
- UHF operating frequencies
- Multi-tag compatibility
- Unique communication interface
- Internal Buzzer
- Real-Time operating system (RTOS)
- Security, encrypted data transfer

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## TM2200

### Compatibility Performance

Typical Transmission range  
Data rate  
Transmission rate – ID only  
2 Bytes @ 19'200 Baud rate  
Transmission rate –128 bit data packets @ 57'600 Baud rate (UID + data)  
Stability/Filter (Data Integrity)

### Communication

Base Frequency  
  
Modulation  
Frequency Deviation  
Modulation Polarity  
  
Channels  
Frequency/Channel hopping  
Number of antennas  
Maximum transmit power  
TM 2200  
TM 2201

Anti-collision  
Transmitters  
Transceivers

Certification

### Micro controller

Flash Memory  
Data RAM  
EEPROM Data

### Electrical

Powering  
Voltage  
Battery Lifetime

Power consumption  
Active:  
  
Idle:  
Stand by:

### Environmental

Operating temperature  
Storage temperature  
Humidity

### Physical

Dimensions (Tag)  
Weight  
Colour  
Type of material

TM, TC family  
  
Up to 20m free range / 10m indoors  
2.4 to 19.2 Kbs (programmable)  
  
Up to 5'000 UID's per second  
  
Up to 1'000 UID's per second  
  
8 or 16 bit CRC  
  
868MHz (EC) or 915MHz (US) ISM Band  
Band  
FSK  
30 to 180 KHz  
" +" or " -" (software selectable)  
4096 per base frequency  
Programmable  
1  
3 dBm max.  
8 dBm max.  
  
Time base algorithm  
" Rx before Tx" technology  
EN 300 220 (EC); FCC part 15 (US)  
  
2 Kb  
64 Bytes  
128 Bytes  
  
Internal Lithium battery CR2032  
3.2 to 2.2 Volts  
Typically 2 years (with battery low warning)  
  
15 mA max. (during RF transmit operations)  
1.5 mA  
4 uA (wake-up timer enabled)  
  
-40°C to +85°C / -40°F to +185°F  
-40°C to +85°C / -40°F to +185°F  
5% to 90% (non condensing)  
  
20 mm  
20 grams  
White, Grey, black  
ABS