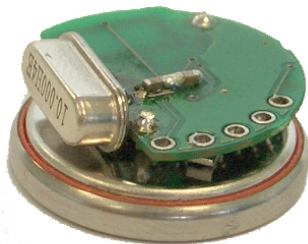


# TM2200

# 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

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