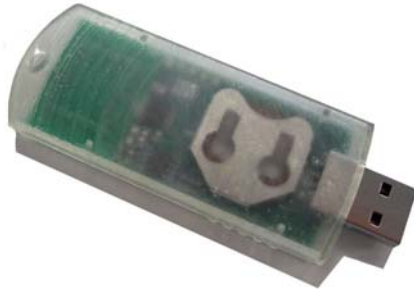


TM4270

Data Sheet

Features



RC550X Controller specs:

- 1000 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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v.1.7 (11/05)

TM4270

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 4700

TM 4271

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 (incl. Housing)

Weight

Colour (Housing)

Type of material

TM, TC family

Up to 50m free range / 20m 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 (factory preset)

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

Exchangeable Lithium battery CR2032

3.2 to 2.2 Volts

Typically 5 years (with battery low
warning and AAA batteries fitted)

15 mA max. (during RF transmit
operations)

1.5 mA

4 uA (wake-up timer enabled)

-20°C to +85°C

-20°C to +85°C

5% to 90% (non condensing)

80 x 30 x 8 mm

40 grams

Blue

ABS