



SL13A

HF/NFC sensory tag and data logger IC

Description

The SL13A is a passive/semi-passive tag chip optimized for single-cell, battery-powered smart labels with sensor functionality. The chip is ideal for applications using thin and flexible batteries (1.5V or 3V) but can also be powered from the RF field (electromagnetic waves from an RFID reader). The chip has a fully integrated temperature sensor with a maximum accuracy of 0.5°C. The analog sensor interface allows connection of an external sensor.

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Key Features

- ▶ ISO 15693/NFC-V compliant
- ▶ Passive or semi-passive operation (1.5V or 3V)
- ▶ Real-time clock for data logging
- ▶ 8k-bit EEPROM with password protection

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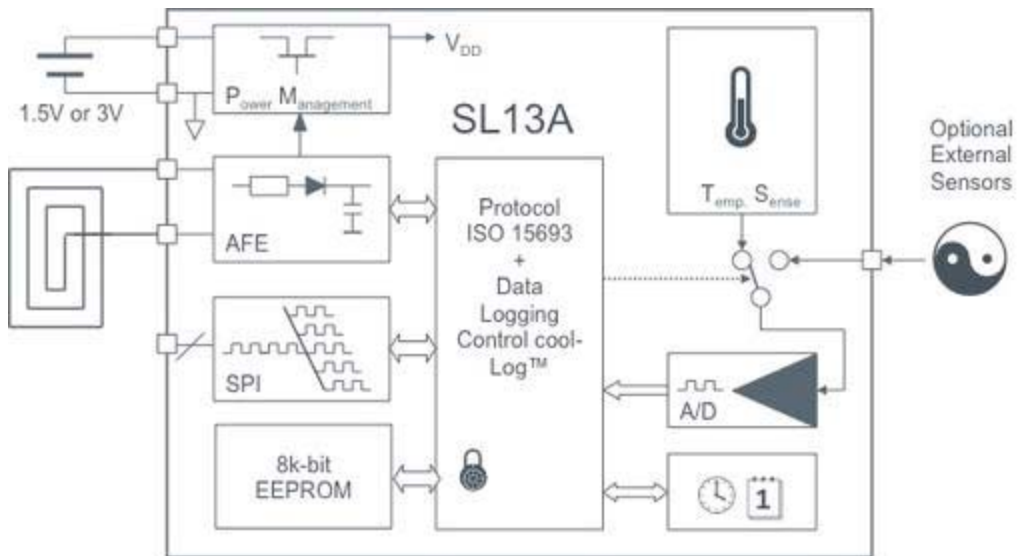
Applications

- ▶ Supply and cold chain
- ▶ Tracking and recording of medication
- ▶ Process control in factory automation
- ▶ Contactless metering

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Blockdiagram for SL13A HF/NFC sensory tag and data logger IC

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Blockdiagram for Sensory Tag SL13A

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