



SL900A

EPC sensory tag and data logger IC

Description

The SL900A works in semi-passive mode (battery-assisted passive) as well as in fully passive mode. The chip is ideal for applications using thin and flexible batteries (1.5V or 3V) for autonomous logging from the integrated temperature sensor or external sensors with time-stamp from on-chip real-time clock (RTC). The SPI/IO port allows connection of external circuits.

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Key Features

- ▶ EPC Gen2 compliant
- ▶ Passive or semi-passive operation (1.5V or 3V)
- ▶ Data logging and shelf-life monitoring with RTC
- ▶ 9k-bit EEPROM with password protection

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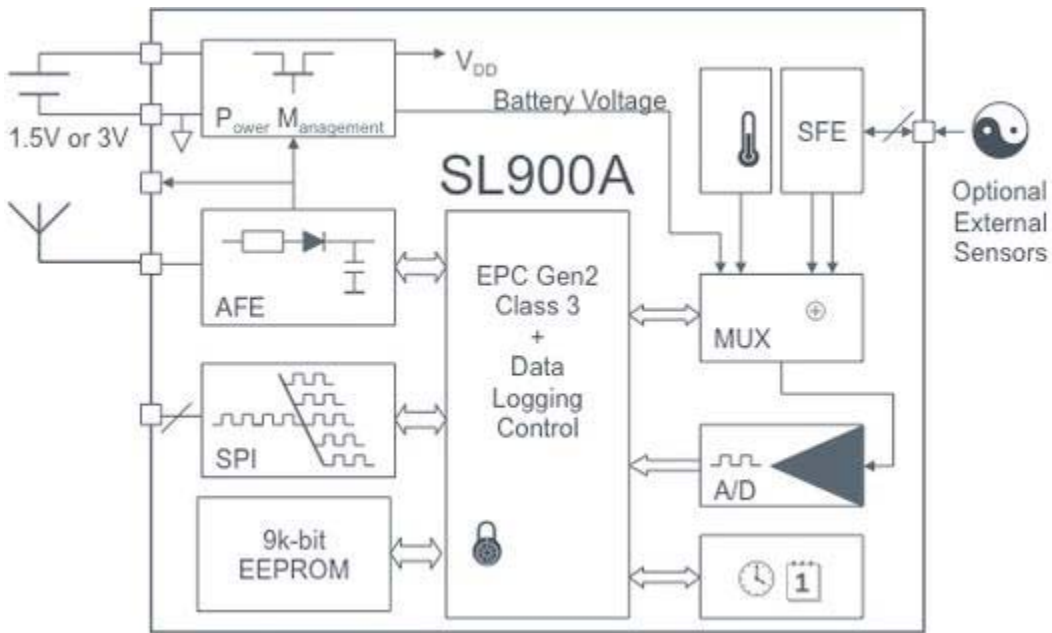
Applications

- ▶ Supply and cold chain
- ▶ Tracking condition and history of constructions
- ▶ Tire pressure monitoring systems (TPMS)
- ▶ Contactless metering

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Blockdiagram for SL900A EPC sensory tag and data logger IC

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SL900A EPC sensory tag block diagram

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