



# Nano-Power Highly Accurate RTC with Integrated Quartz Crystal

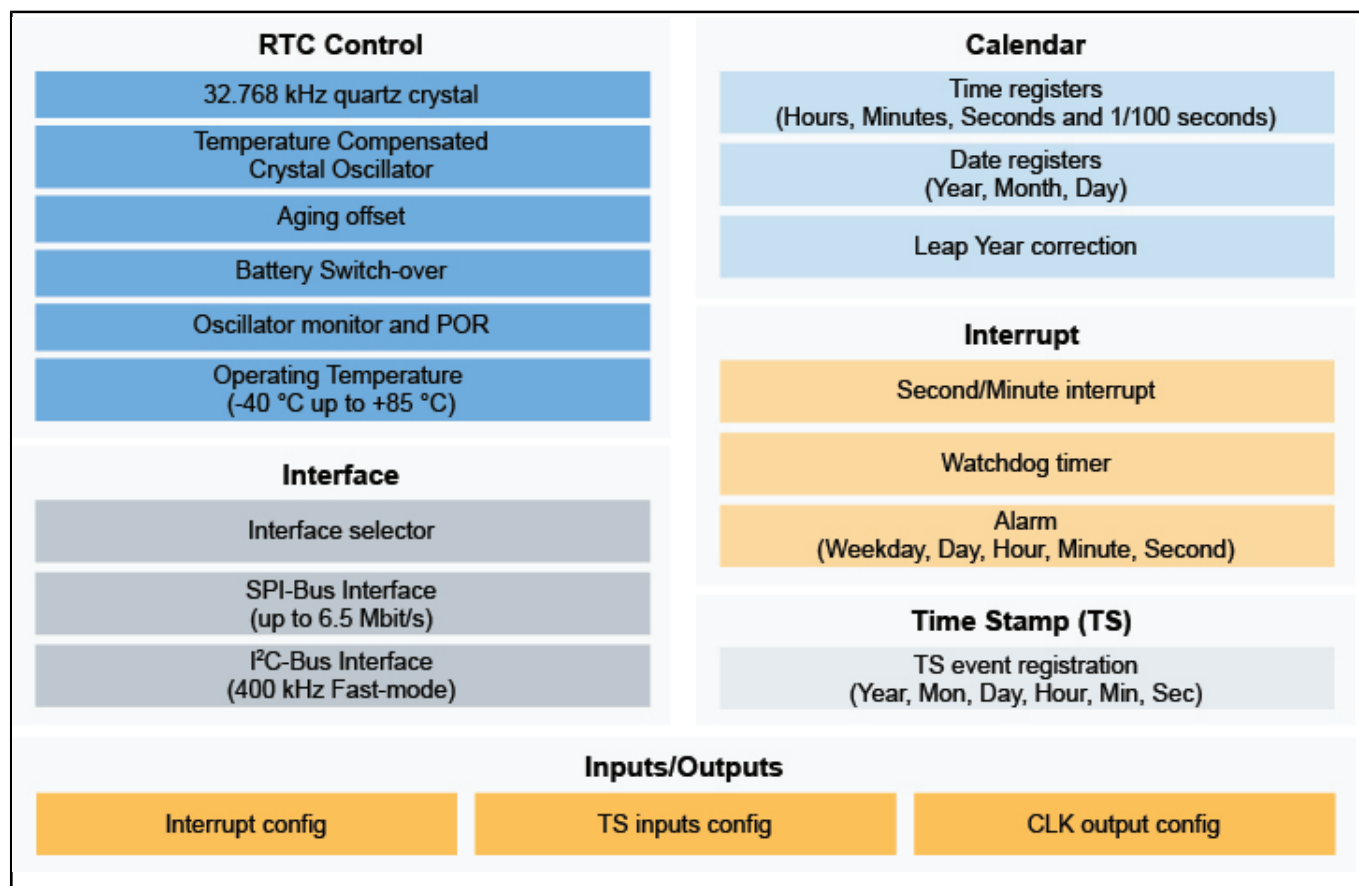
## PCF2131

Last Updated: Mar 10, 2025

The PCF2131 is a CMOS real time clock (RTC) and calendar with an integrated temperature compensated crystal (Xtal) oscillator (TCXO) and a 32.768 kHz quartz crystal optimized for very high accuracy and ultra-low power consumption. The PCF2131 features:

- Selectable I<sup>2</sup>C-bus or SPI-bus interfaces for full flexibility when selecting the associated MCU/MPU
- Backup battery input and switch-over circuit, allowing the RTC to keep track of the time, even when the main power supply is removed
- Calendar capabilities to keep tracking of the time from years down to 1/100 seconds
- Up to 4 timestamp registers, which can be associated to timestamp input in order to register tampering events
- Up to 2 interrupt outputs to enable/disable systems to reduce the overall current consumption

## PCF2131 Block Diagram



View additional information for [Nano-Power Highly Accurate RTC with Integrated Quartz Crystal](#).

**Note:** The information on this document is subject to change without notice.

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