



OL2361 Sigfox Tx Modem

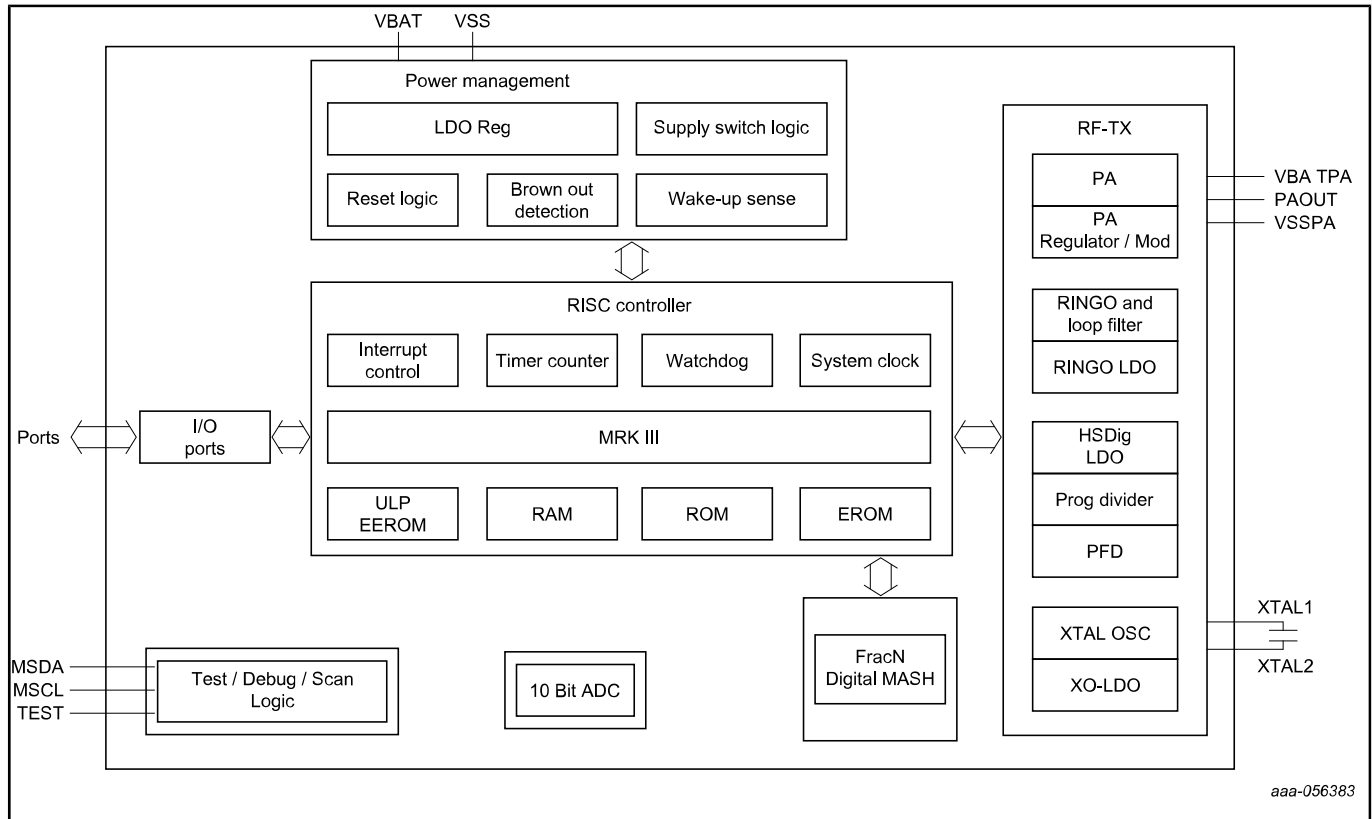
OL2361

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The OL2361 is a high-performance single chip embedded sub-GHz RF transmitter with up to +10 dBm output power for Sigfox applications requiring an RF transmitter.

- The embedded microcontroller and memory are reserved for specific Sigfox binaries provided by NXP
- There are two firmware variants available, whereby one is dedicated for NXP's Sigfox RFID tag reference design, and the second allows the OL2361 to be connected to a host microcontroller that will run the application. In the latter case, the connection between host and OL2361 is established via SPI
- The on-chip UHF transmitter requires no external components to operate from 868 MHz to 928 MHz except for a single 27.6 MHz reference crystal and the loop antenna matching circuitry
- The device features up to 8 I/O port lines allowing for up to 8 command button inputs while one line is multiplexed additionally with a LED driver functionport
- The OL2361 provides 2 kByte of Ultra Low Power Serial EEPROM with access control as defined by the application, 1 kByte of RAM and up 16 kByte EROM (FLASH like) for the application code
- The device comes in tiny 24 pin HVQVN package that consumes only 16 mm² of board space enabling ultracompact designs

OL2361 Block Diagram



View additional information for [OL2361 Sigfox Tx Modem](#).

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