

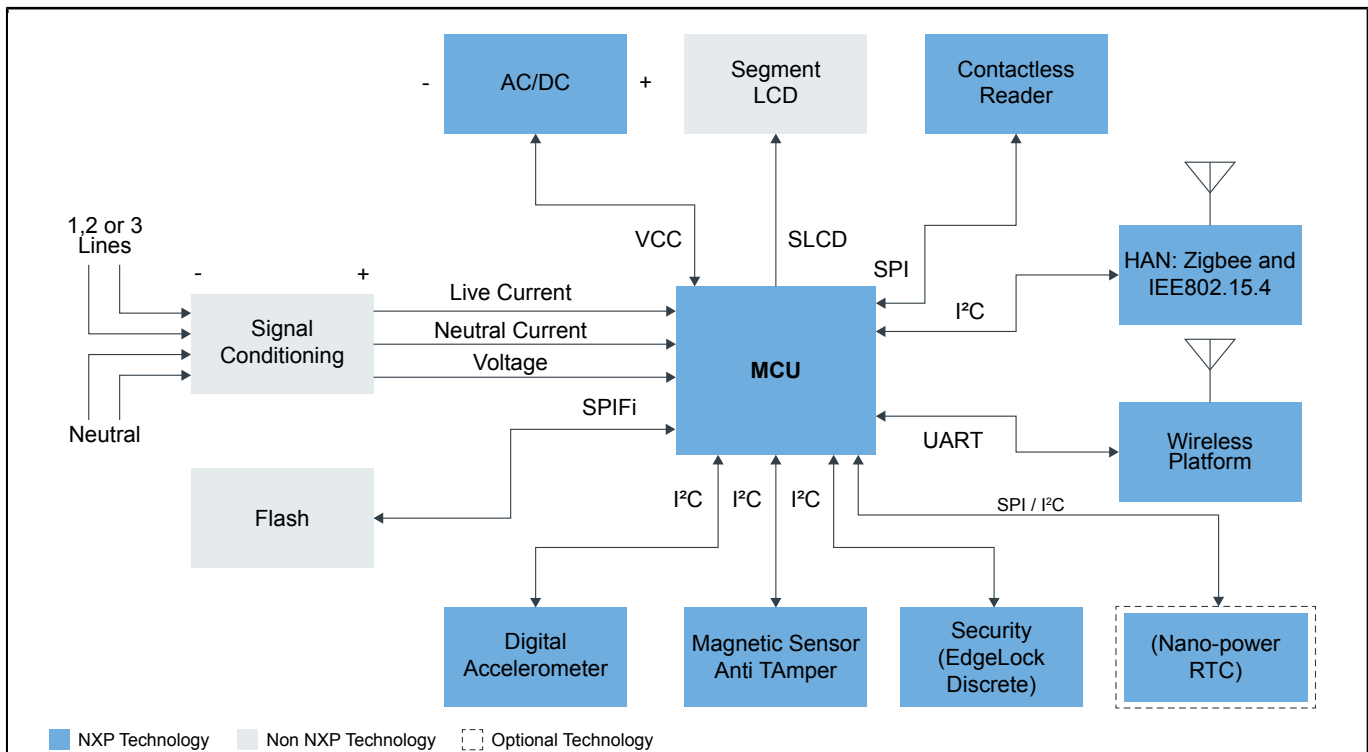


Electricity Meter

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NXP® metering technology enables one-phase, two-phase, and three-phase electricity meters used for measurement and registration of active, reactive, and apparent energy in residential and commercial metering applications. Along with its connectivity solutions for smart metering – like IEEE 802.15.4, ZigBee and Bluetooth Low Energy - NXP addresses the challenges smart cities face for reliable, secure communications for remote metering and home energy management.

Electricity Meter Block Diagram



Recommended Products for Electricity Meter

MCU

- [MCX A14x/15x MCUs with Arm® Cortex® M33, Scalable Device Options, Low Power and Intelligent Peripherals](#)
- [MCX N94x/54x Highly Integrated Multicore MCUs with On-Chip Accelerators, Intelligent Peripherals and Advanced Security](#)

	<ul style="list-style-type: none"> • KM3x: 50–75 MHz Precision Metrology MCUs with Segment LCDs Based on Arm® Cortex®-M0+
Sensors	<ul style="list-style-type: none"> • MMA8491Q: ±8g, Low g, Digital NXP® Accelerometer • FXOS8700CQ: Digital Motion Sensor - 3D Accelerometer (±2g/±4g/±8g) + 3D Magnetometer
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Security (EdgeLock Discrete)	<ul style="list-style-type: none"> • EdgeLock® SE050: Plug and Trust Secure Element Family – Enhanced IoT security with high flexibility • EdgeLock® SE051: Proven, Easy-to-Use IoT Security Solution with Support for Updatability and Custom Applets • EdgeLock® A5000 Plug and Trust Secure Authenticator: Authentication Made Secure, Scalable and Easy
Zigbee	<ul style="list-style-type: none"> • JN5169: ZigBee and IEEE802.15.4 Wireless Microcontroller with 512 KB Flash, 32 KB RAM
NFC	<ul style="list-style-type: none"> • PN5190: NFC Frontend supporting challenging RF environment for payment, physical access control
Power Management	<ul style="list-style-type: none"> • TEA1721AT: HV Start-Up Flyback Controller with Integrated MOSFET for 5 W Applications, F~burst = 430 Hz
Wireless Platform	<ul style="list-style-type: none"> • OL2385AHN: Low-Power Multi-Channel UHF RF Wireless Platform • TDA5051AT: Home Automation Modem
RTC	<ul style="list-style-type: none"> • PCF2131: Nano-Power Highly Accurate RTC with Integrated Quartz Crystal

View our complete solution for [Electricity Meter](#).

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

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