



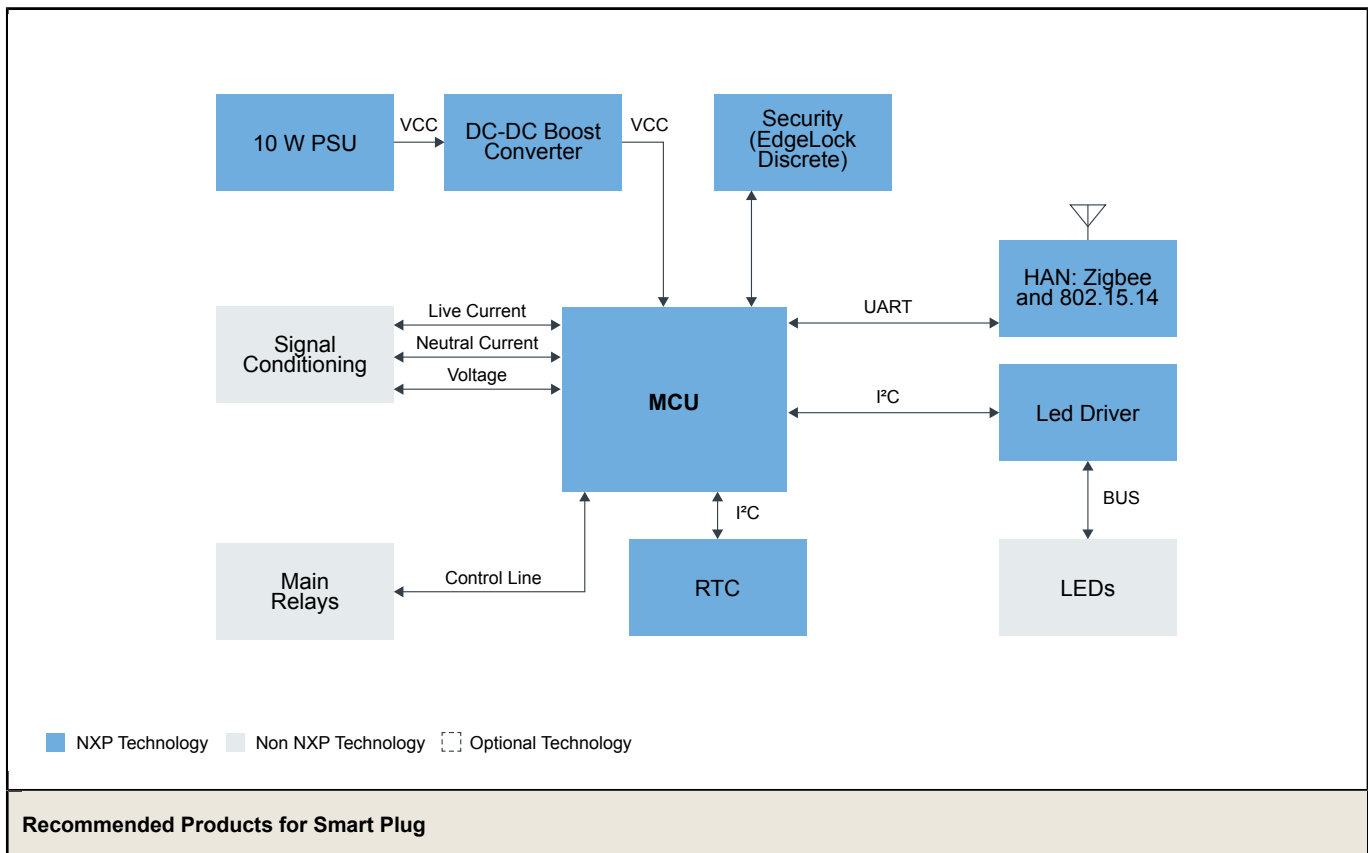
# Smart Power Socket

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Faced with limited resources and booming demand, the energy industry seeks greater efficiencies within complex energy management and distribution processes, all while providing a great consumer experience. To achieve better service and smarter, streamlined processes, energy providers require reliable, real-time access to data.

A smart plug controls the energy supply of devices connected to it. Using a ZigBee™ interface this device connects to a gateway where you can send commands to turn on/off or see the power consumption of the device connected to it.

## Smart Plug Block Diagram



MCU	<ul style="list-style-type: none"> <li>• <a href="#">KM1x</a>: 50 MHz, Mainstream Precision Metrology Microcontrollers based on Arm® Cortex®-M0+</li> </ul>
Power Management	<ul style="list-style-type: none"> <li>• <a href="#">TEA1721DT</a>: HV Start-up Flyback Controller with Integrated MOSFET for 5 W Applications, F~Burst = 1270 Hz</li> <li>• <a href="#">PCA9410_9410A</a>: 3.0 MHz, 500 MA, DC-to-DC Boost Converter</li> </ul>
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Wireless	<ul style="list-style-type: none"> <li>• <a href="#">JN5169</a>: ZigBee and IEEE802.15.4 Wireless Microcontroller with 512 KB Flash, 32 KB RAM</li> </ul>
Peripherals	<ul style="list-style-type: none"> <li>• <a href="#">PCA9955BTW</a>: 16-Channel Fm+ I²C-Bus 57 MA/20 V Constant-Current LED Driver</li> <li>• <a href="#">PCA2131</a>: Nano-Power Highly Accurate RTC with Integrated Quartz Crystal for Automotive Applications</li> </ul>
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Security (EdgeLock Discrete)	<ul style="list-style-type: none"> <li>• <a href="#">SE050</a>: EdgeLock® SE050: Plug and Trust Secure Element Family – Enhanced IoT Security with High Flexibility</li> <li>• <a href="#">SE051</a>: EdgeLock® SE051: Proven, Easy-to-Use IoT Security Solution with Support for Updatability and Custom Applets</li> </ul>

View our complete solution for [Smart Power Socket](#).

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

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