



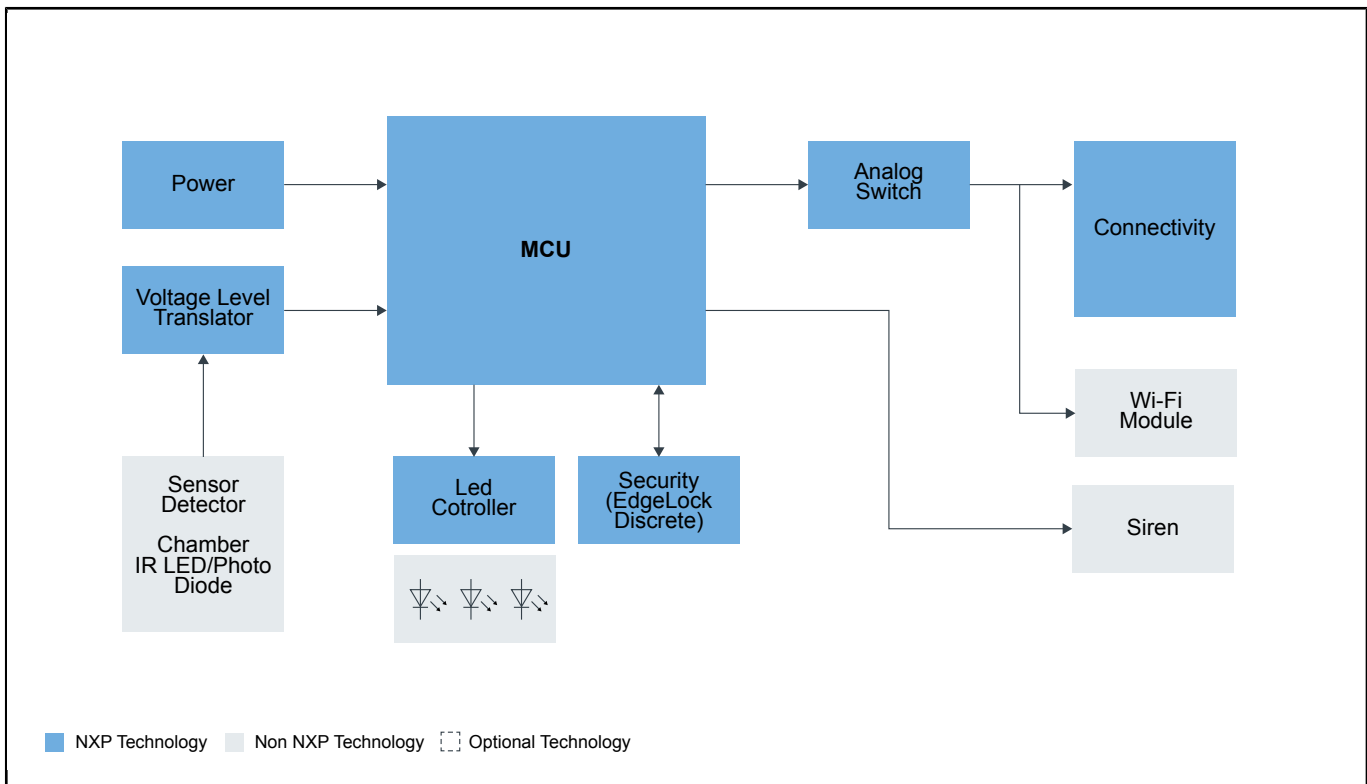
# Building Safety

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Smoke detectors are a vital safety feature of any home or building. Nowadays, they incorporate more sensors to detect not only smoke and fire, but carbon monoxide and other noxious fumes.

Detectors are also becoming more intelligent as they seamlessly connect wirelessly with each other as well as to other parts of a building automation system. Working together with a thermostat and home automation or building gateway, these devices can alert individuals and authorities quicker, reducing the alert time and avoiding property damage and casualties.

## Building Safety Block Diagram



### Recommended Products for Building Safety

MCU

\* [KM3x](#): 50–75 MHz Precision Metrology MCUs with Segment LCDs based on Arm® Cortex®-M0+

	<ul style="list-style-type: none"> <li>• <a href="#">LPC800 Cortex-M0+</a> : LPC800 Series: Low-Cost Microcontrollers (MCUs) based on Arm® Cortex®-M0+ Cores</li> </ul>
Connectivity	<ul style="list-style-type: none"> <li>• <a href="#">88W8977</a>: 2.4/5 GHz Dual-Band 1x1 Wi-Fi® 4 (802.11n) + Bluetooth® 5.2 Solution</li> <li>• <a href="#">QN9090/30</a>: Bluetooth Low-Energy MCU with Arm®Cortex®-M4 CPU, Energy Efficiency, Analog and Digital Peripherals and NFC Tag Option</li> </ul>
Power	<ul style="list-style-type: none"> <li>• <a href="#">TEA1721AT</a>: HV Start-Up Flyback Controller with Integrated MOSFET for 5 W Applications, F~burst = 430 Hz</li> </ul>
Voltage Level Translator	<ul style="list-style-type: none"> <li>• <a href="#">GTL2005PW</a>: Quad GTL/GTL+ to LVTTTL/TTL bidirectional non-latched translator</li> </ul>
LED Controller	<ul style="list-style-type: none"> <li>• <a href="#">PCA9632</a>: 4-Bit Fm+ I²C-Bus Low-Power LED Driver</li> </ul>
Analog Switch	<ul style="list-style-type: none"> <li>• <a href="#">NX3DV3899</a>: Dual Double-Pole Double-Throw Analog Switch</li> </ul>
Security (EdgeLock Discrete)	<ul style="list-style-type: none"> <li>• <a href="#">EdgeLock® SE050</a>: Plug &amp; Trust Secure Element Family – Enhanced IoT security with high flexibility</li> <li>• <a href="#">EdgeLock® SE051</a>: Proven, Easy-to-Use IoT Security Solution with Support for Updatability and Custom Applets</li> <li>• <a href="#">EdgeLock® A5000</a> Plug &amp; Trust Secure Authenticator: Authentication Made Secure, Scalable and Easy</li> </ul>

View our complete solution for [Building Safety](#).

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

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