



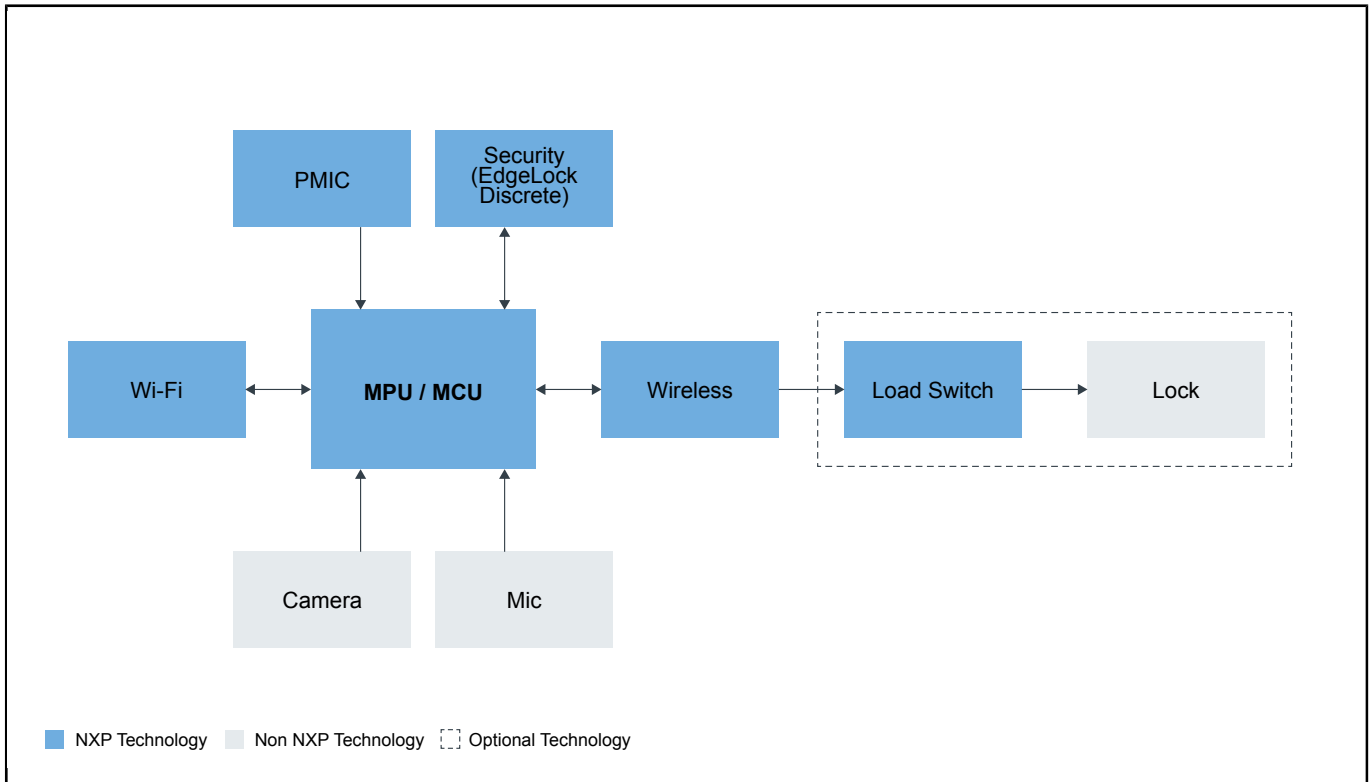
# Home Security and Surveillance

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Today's doorbell does much more than just ring a buzzer to alert you that somebody is at the door. They are a vital part of the smart home and security solution, providing intercom capability as well as video surveillance of a home's entryway.

Connecting a video doorbell to the home gateway provides cloud access, meaning you can now monitor your entryway from anywhere in the world in real time. Video doorbells provide easy-to-use security and peace of mind when trying to secure your home from external threats.

## Video doorbell Block Diagram



### Recommended Products for Video doorbell

MCU/MPU

• **MCX-A14X-A15X:** MCX A14x/15x MCUs with Arm® Cortex® M33, Scalable Device Options, Low Power and Intelligent Peripherals

	<ul style="list-style-type: none"> <li>• <a href="#">MCX-N94X-N54X</a>: MCX N94x/54x Highly Integrated Multicore MCUs with On-Chip Accelerators, Intelligent Peripherals and Advanced Security</li> <li>• <a href="#">i.MX8MMINI</a>: i.MX 8M Mini - Arm® Cortex®-A53, Cortex-M4, Audio, Voice, Video</li> <li>• <a href="#">i.MX-RT1170</a>: i.MX RT1170: 1 GHz Crossover MCU with Arm® Cortex® Cores</li> </ul>
PMIC	<ul style="list-style-type: none"> <li>• <a href="#">PCA9450</a>: Power Management IC (PMIC) for i.MX 8M Mini/Nano/Plus</li> <li>• <a href="#">PF81-PF82</a>: 12-Channel Power Management Integrated Circuit (PMIC) for High-Performance Processing Applications</li> <li>• <a href="#">PCA9460</a>: 13-Channel Power Management Integrated Circuit (PMIC) for Ultra Low Power Application</li> </ul>
Wi-Fi	<ul style="list-style-type: none"> <li>• <a href="#">88W8987</a>: 2.4/5 GHz Dual-Band 1x1 Wi-Fi® 5 (802.11ac) + Bluetooth® 5.2 Solution</li> <li>• <a href="#">IW416</a>: 2.4/5 GHz Dual-Band 1x1 Wi-Fi® 4 (802.11n) + Bluetooth® 5.2 Solution</li> <li>• <a href="#">88MW32X 802.11n Wi-Fi® Microcontroller SoC</a></li> </ul>
Wireless	<ul style="list-style-type: none"> <li>• <a href="#">88W8987</a>: 2.4/5 GHz Dual-Band 1x1 Wi-Fi® 5 (802.11ac) + Bluetooth® 5.2 Solution</li> <li>• <a href="#">QN9090-30</a>: QN9090/30: Bluetooth Low-Energy MCU with Arm®Cortex®-M4 CPU, Energy Efficiency, Analog and Digital Peripherals and NFC Tag Option</li> </ul>
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> <li>• <a href="#">EDGELOCK-A5000</a>: EdgeLock® A5000 Plug and Trust Secure Authenticator: Authentication Made Secure, Scalable and Easy</li> </ul>

View our complete solution for [Home Security and Surveillance](#).

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

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