



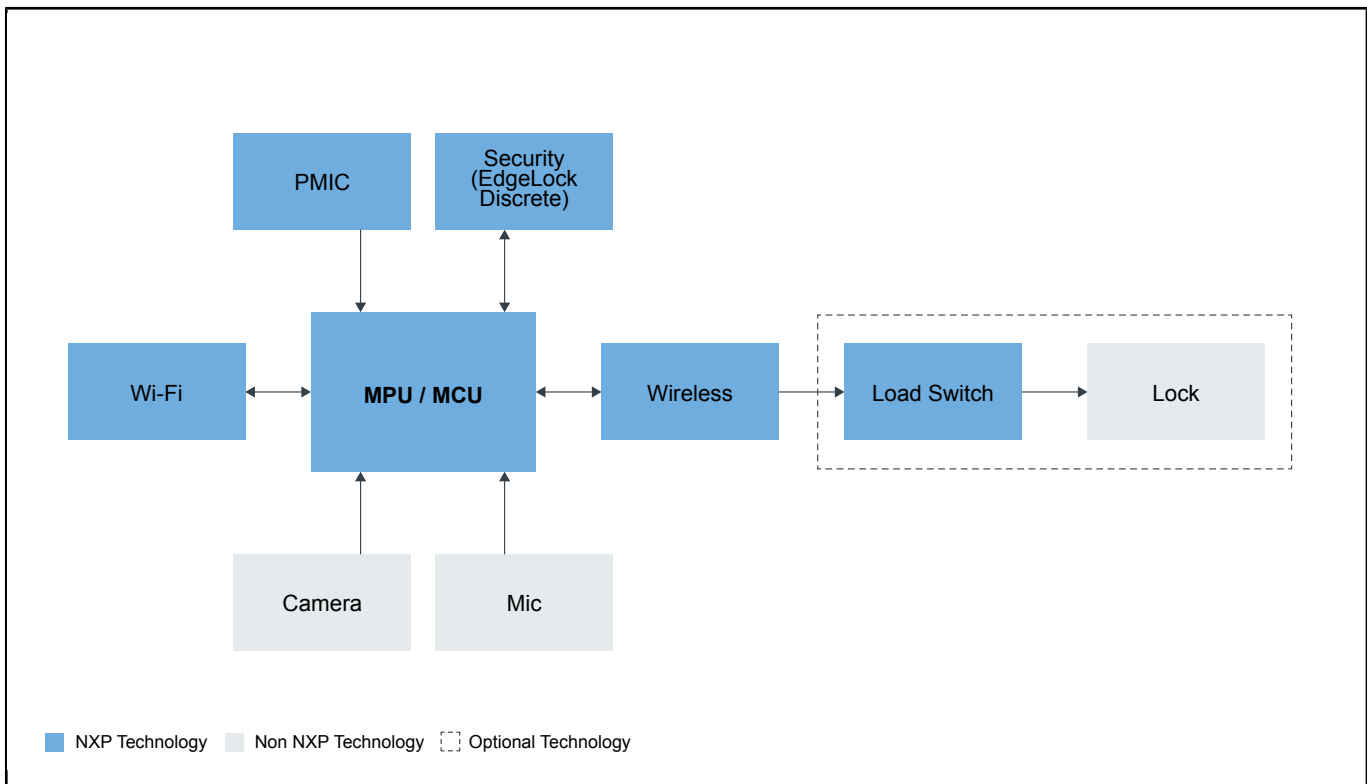
Home Security and Surveillance

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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

* i.MX 8M Mini - Arm® Cortex®-A53, Cortex-M4, Audio, Voice, Video

	<ul style="list-style-type: none"> • i.MX RT1170 First GHz Crossover MCU with Arm® Cortex®-M7 and Cortex-M4 Cores
PMIC	<ul style="list-style-type: none"> • PCA9450: Power Management IC (PMIC) for i.MX 8M Mini/Nano/Plus • PF8100-PF8200: 12-Channel Power Management Integrated Circuit (PMIC) for High-Performance Processing Applications • PCA9460: 13-Channel Power Management Integrated Circuit (PMIC) for Ultra Low Power Application
Wi-Fi	<ul style="list-style-type: none"> • 88W8987: 2.4/5 GHz Dual-Band 1x1 Wi-Fi® 5 (802.11ac) + Bluetooth® 5.2 Solution • 2.4/5 GHz Dual-Band 1x1 Wi-Fi® 4 (802.11n) + Bluetooth® 5.2 Solution • 88MW32X 802.11n Wi-Fi® Microcontroller SoC
Wireless	<ul style="list-style-type: none"> • 88W8987: 2.4/5 GHz Dual-Band 1x1 Wi-Fi® 5 (802.11ac) + Bluetooth® 5.2 Solution • QN9020/21/22 - Ultra-Low-Power Bluetooth LE System-On-Chip Solution
Load Switch	<ul style="list-style-type: none"> • NX30P6093: High-Voltage I²C Controlled Overvoltage Protection Load Switch
Security (EdgeLock Discrete)	<ul style="list-style-type: none"> • EdgeLock® SE050: Plug & 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 & Trust Secure Authenticator: Authentication Made Secure, Scalable and Easy

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

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