

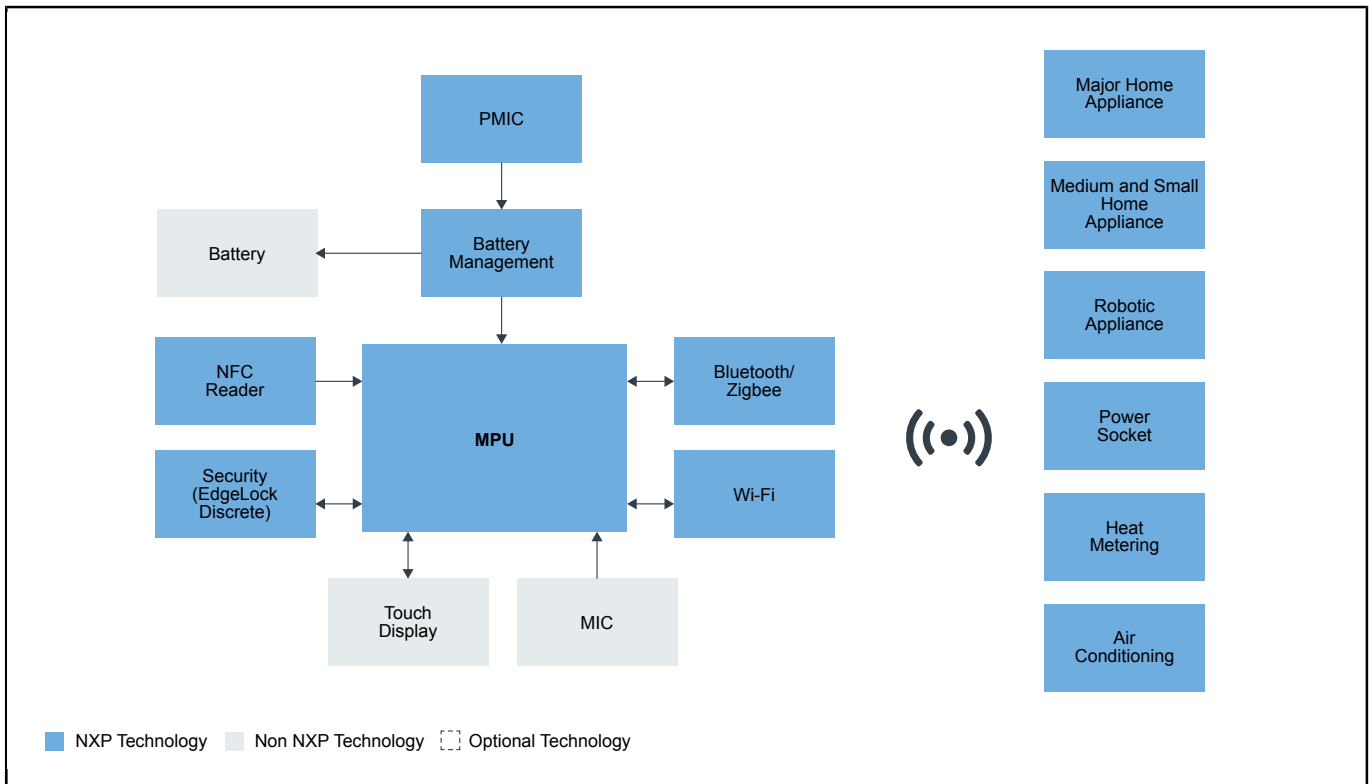


Home Control Panel

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Appliances are smarter than before. With the help of sensors and connectivity they can do more for their owners: be activated by voice or face recognition, work only when electricity peaks are low or even send information to the manufacturer to create a preventive maintenance appointment. With NXP’s secure connectivity applications, you can have a centralized control panel that cannot only work for appliances, but also for smart devices throughout your home.

Home Control Panel Block Diagram



Recommended Products for Home Control Panel

MPU	<ul style="list-style-type: none"> • i.MX 8M Mini - Arm® Cortex®-A53, Cortex-M4, Audio, Voice, Video
PMIC	<ul style="list-style-type: none"> • PCA9450: Power Management IC (PMIC) for i.MX 8M Mini/Nano/Plus

Battery Management	<ul style="list-style-type: none"> • Battery Management: Battery Management
Security (EdgeLock Discrete)	<ul style="list-style-type: none"> • EdgeLock® SE050: Plug and Trust Secure Element Family – Enhanced IoT security with high flexibility • EdgeLock® A5000 Plug and Trust Secure Authenticator: Authentication Made Secure, Scalable and Easy
NFC Reader	<ul style="list-style-type: none"> • PN7160: NFC Plug and Play Controller with Integrated Firmware and NCI Interface
Bluetooth Zigbee	<ul style="list-style-type: none"> • K32W061/41: High-Performance, Secure and Ultra-Low-Power MCU for Zigbee®, Thread™, and Bluetooth® LE 5.0 with Built-In NFC Option
Wi-Fi	<ul style="list-style-type: none"> • 88MW32X 802.11n Wi-Fi® Microcontroller SoC • 2.4/5 GHz Dual-Band 1x1 Wi-Fi® 4 (802.11n) + Bluetooth® 5.2 Solution
Major Home Appliance	<ul style="list-style-type: none"> • Major Home Appliances: Major Home Appliances
Small and Medium Appliance	<ul style="list-style-type: none"> • Small and Medium Appliances: Small and Medium Appliances
Robotic Appliances	<ul style="list-style-type: none"> • Robotic Appliance: Robotic Appliance
Power Socket	<ul style="list-style-type: none"> • Smart Power Socket and Light Switch: Smart Power Socket and Light Switch
Heat Metering	<ul style="list-style-type: none"> • Heat Metering: Heat Metering
Air Conditioning	<ul style="list-style-type: none"> • Air Conditioning (AC): Air Conditioning (AC)

View our complete solution for [Home Control Panel](#).

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