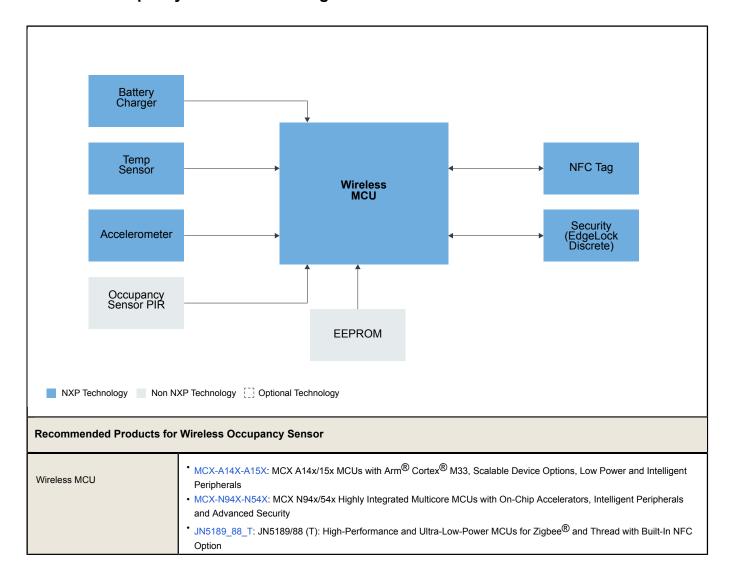


Building Security

Last Updated: May 16, 2024

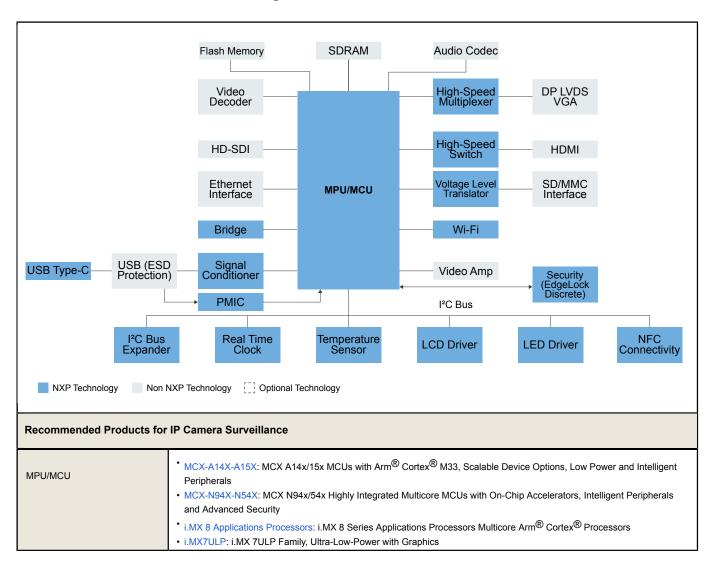
NXP's wide portfolio offers a number of options for buildings security solutions. Our wireless MCUs are the choice when a battery-powered, occupancy sensor or a surveillance low-power system is required. The cost-effective crossover i.MX RT MCUs offer a great solution for video processing and data management for wireless IP video cameras. NXP's WIFI 6 modules ensure low latency and high-quality connection for IP cameras solutions.

Wireless Occupancy Sensor Block Diagram

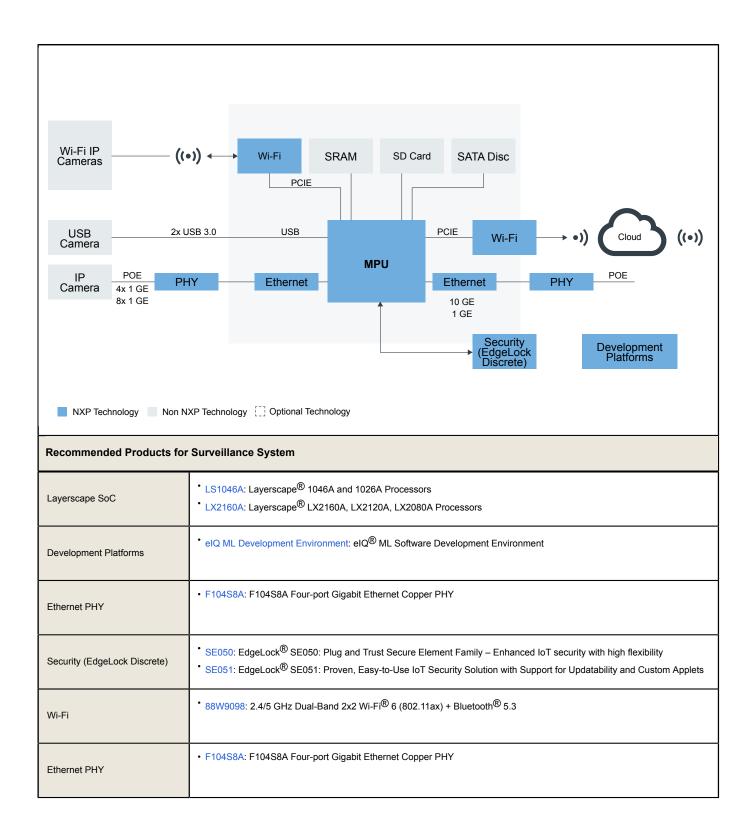


	 QN9090-30: QN9090/30: Bluetooth Low-Energy MCU with Arm[®]Cortex[®]-M4 CPU, Energy Efficiency, Analog and Digital Peripherals and NFC Tag Option
Battery Charger	BC3770: 2 A Switch-Mode Li-ion/Li-polymer Battery Charger
NFC Tag	• NTAG5-LINK: NTAG [®] 5 Link: NFC Forum-Compliant I ² C Bridge for IoT on Demand
Temperature Sensor	 P3T1035xUK: I3C, I²C-Bus, ±0.5 °C Accuracy, Digital Temperature Sensor P3T2030xUK: I3C, I²C-Bus, 2.0 °C Accuracy, Digital Temperature Sensor PCT2202UK: Ultra-Low-Power, 1.8 V, 1 Deg. C Accuracy, Digital Temperature Sensor with I²C-Bus Interface LM75B: Digital Temperature Sensor and Thermal Watchdog
Security (EdgeLock Discrete)	* SE050: EdgeLock [®] SE050: Plug and Trust Secure Element Family – Enhanced IoT security with high flexibility * SE051: EdgeLock [®] SE051: Proven, Easy-to-Use IoT Security Solution with Support for Updatability and Custom Applets
Accelerometer	Accelerometers: Accelerometers

IP Camera Surveillance Block Diagram



	• i.MX-RT1060: i.MX RT1060: Crossover MCU with Arm® Cortex®-M7
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NFC Connectivity	NTAG5-LINK: NTAG® 5 Link: NFC Forum-Compliant I²C Bridge for IoT on Demand NTAG5-BOOST: NTAG® 5 Boost: NFC Forum-Compliant I²C Bridge for Tiny Devices
Wireless MCU	* 88W9098: 2.4/5 GHz Dual-Band 2x2 Wi-Fi [®] 6 (802.11ax) + Bluetooth [®] 5.3
Voltage Level Translator	NTS0304E: 4-Bit Dual-Supply Translating Transceiver (Open-Drain, Auto-Direction Sensing) GTL2014PW: 4-Bit LVTTL-to-GTL Transceiver
High-speed Multiplexer	CBTL04083A_CBTL04083B: 3.3 V, Four Differential Channel, 2-1 Multiplexer/Demultiplexer Switch for PCI Express Gen3 CBTL06DP213EE: Third Generation High-Performance DisplayPort Multiplexer CBTL08GP053EV: USB Type-C High-Performance Crossbar Switch IC
LED Driver	PCA9624: 8-Bit Fm+ I²C-Bus 100 MA 40 V LED Driver
LCD Driver	LCD Graphic Drivers: LCD Graphic Drivers
Real-time Clock	PCA8565: Real-Time Clock/Calendar
Temperature Sensor	 P3T1035xUK: I3C, I²C-Bus, ±0.5 °C Accuracy, Digital Temperature Sensor P3T2030xUK: I3C, I²C-Bus, 2.0 °C Accuracy, Digital Temperature Sensor PCT2202UK: Ultra-Low-Power, 1.8 V, 1 Deg. C Accuracy, Digital Temperature Sensor with I²C-Bus Interface LM75B: Digital Temperature Sensor and Thermal Watchdog
I2C Bus Expander	General Purpose I/O (GPIO): General Purpose I/O (GPIO)
USB Type-C	PTN5110: USB PD TCPC PHY IC PTN5150: CC Logic for USB Type-C Applications
High-speed Switch	CBTL08GP053EV: USB Type-C High-Performance Crossbar Switch IC CBTL06DP213EE: Third Generation High-Performance DisplayPort Multiplexer CBTL06GP213EE: Second Generation High-Performance General Purpose Switch
Signal Conditioner	PTN36043x: USB Type-C SuperSpeed Active Switch PTN36502: Type-C USB 3.1 Gen 1 and DisplayPort V1.2 Combo Redriver
Bridge	Bridges: Bridge IC Solutions
Security (EdgeLock Discrete)	SE050: EdgeLock® SE050: Plug and Trust Secure Element Family – Enhanced IoT security with high flexibility SE051: EdgeLock® SE051: Proven, Easy-to-Use IoT Security Solution with Support for Updatability and Custom Applets EDGELOCK-A5000: EdgeLock® A5000 Plug and Trust Secure Authenticator: Authentication Made Secure, Scalable and Easy
PMIC	PCA9460: 13-Channel Power Management Integrated Circuit (PMIC) for Ultra Low Power Application
USB Type-C High-speed Switch Signal Conditioner Bridge Security (EdgeLock Discrete)	PCT2202UK: Ultra-Low-Power, 1.8 V, 1 Deg. C Accuracy, Digital Temperature Sensor with I ² C-Bus Interface LM75B: Digital Temperature Sensor and Thermal Watchdog General Purpose I/O (GPIO): General Purpose I/O (GPIO) PTN5110: USB PD TCPC PHY IC PTN5150: CC Logic for USB Type-C Applications CBTL08GP053EV: USB Type-C High-Performance Crossbar Switch IC CBTL06DP213EE: Third Generation High-Performance DisplayPort Multiplexer CBTL06GP213EE: Second Generation High-Performance General Purpose Switch PTN36043x: USB Type-C SuperSpeed Active Switch PTN36502: Type-C USB 3.1 Gen 1 and DisplayPort V1.2 Combo Redriver Bridges: Bridge IC Solutions SE050: EdgeLock® SE050: Plug and Trust Secure Element Family – Enhanced IoT security with high flexibility SE051: EdgeLock® SE051: Proven, Easy-to-Use IoT Security Solution with Support for Updatability and Custom Applets EDGELOCK-A5000: EdgeLock® A5000 Plug and Trust Secure Authenticator: Authentication Made Secure, Scalable and Easy



View our complete solution for Building Security.

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