

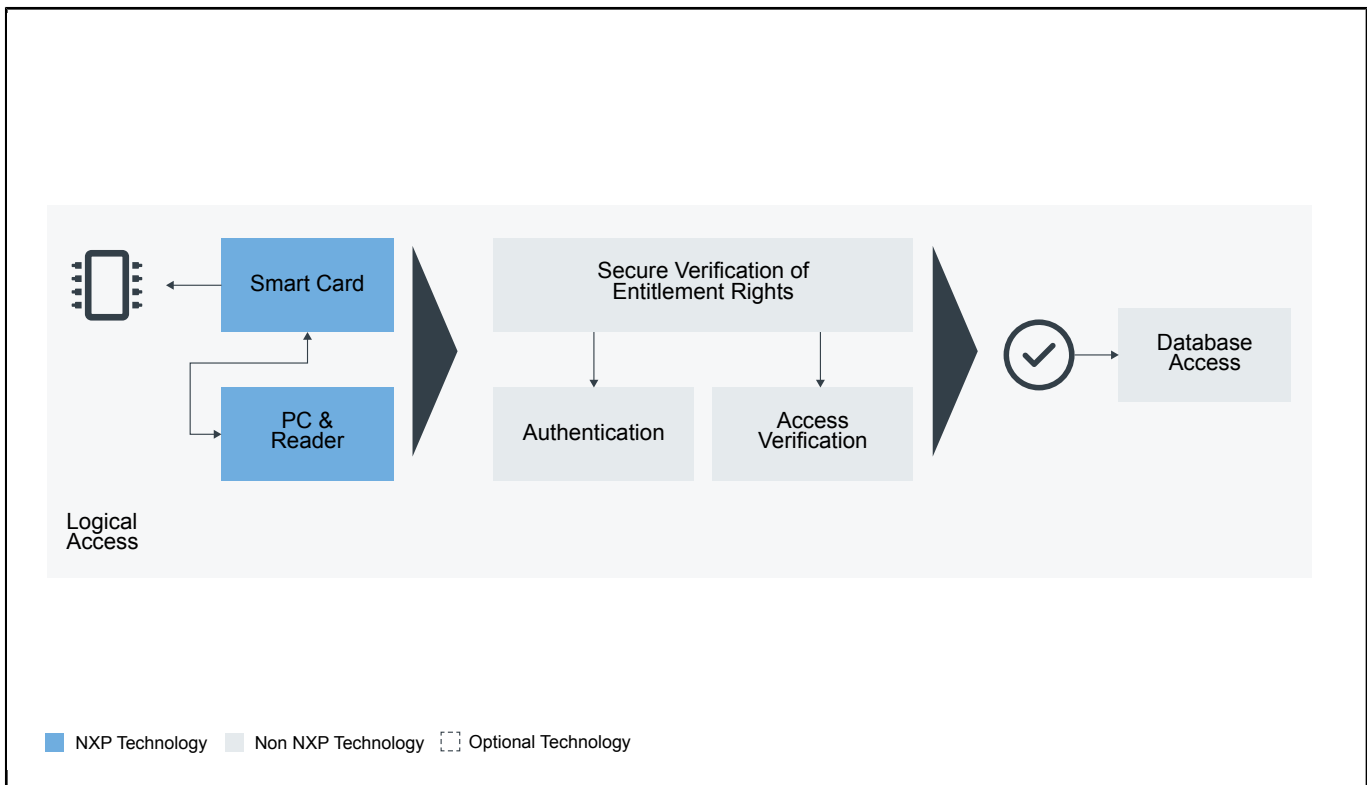


Access Management

Last Updated: Oct 13, 2023

Managing access to buildings and information is crucial across different organizations. Using MIFARE products, NFC, Bluetooth® and UWB technologies, NXP's physical and logical access solutions are scalable and can be tailored to individual users while being cost-efficient and convenient. The integration in different form factors, such as smart cards or mobile phones, as well as support for multiple-applications on one device, help to create seamless experiences without compromising security.

Logical Access Block Diagram



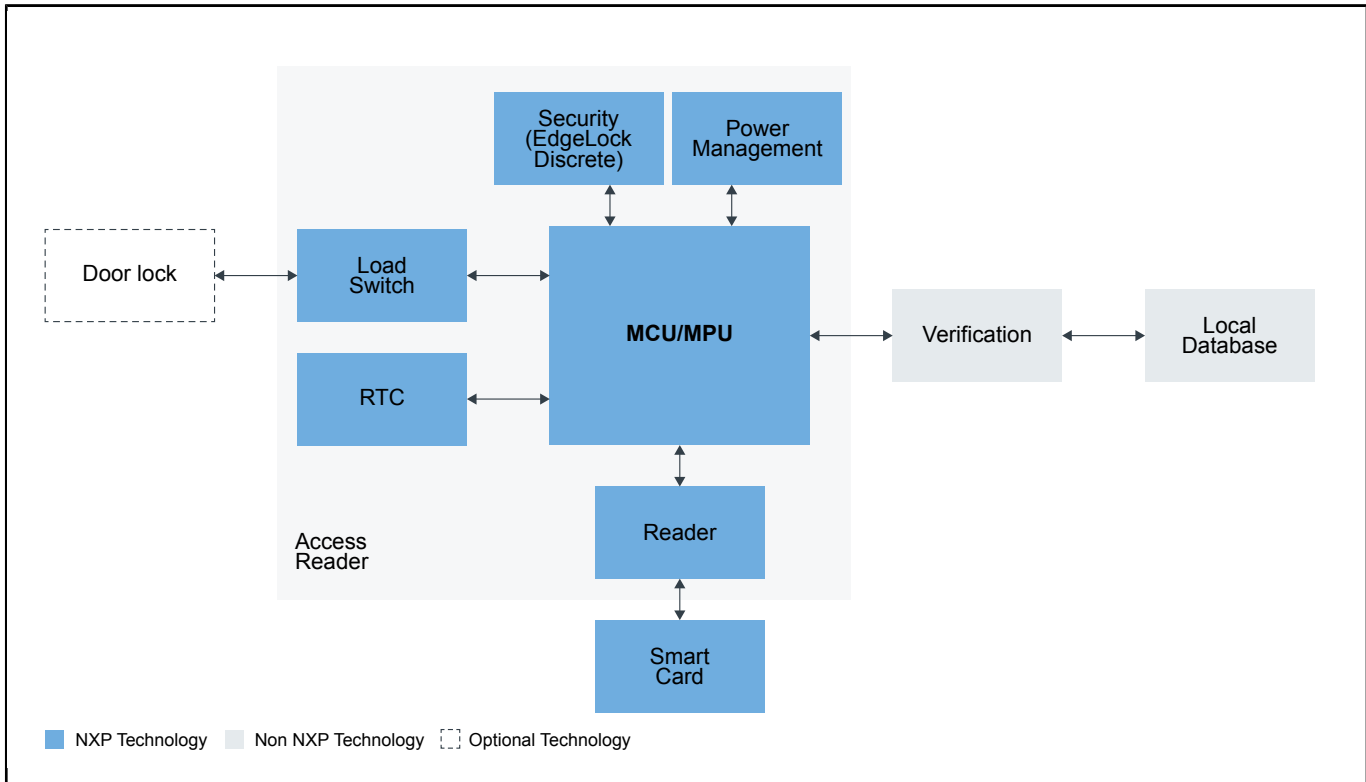
Recommended Products for Logical Access

Smart Card

- [SMARTMX3-P71D321](#): SmartMX3 P71D321: Secure and Flexible Microcontroller
- [SMARTMX3-P71D320](#): SmartMX3 P71D320: Secure and Flexible Microcontroller
- [SMARTMX2-P60](#): SmartMX2 P60: Single/Dual Contact Interface Controllers
- [MIFARE DESFire](#): MIFARE® DESFire®

PC & Reader	<ul style="list-style-type: none"> • PN7462: NFC Cortex[®]-M0 All-in-One Microcontroller with Optional Contact Interface for Access Control • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • MIFARE SAM: MIFARE[®] SAM
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Physical Access Block Diagram



Recommended Products for Physical Access	
MCU/MPU	<ul style="list-style-type: none"> • MCX-A14X-A15X: MCX A14x/15x MCUs with Arm[®] Cortex[®] M33, Scalable Device Options, Low Power and Intelligent Peripherals • MCX-N94X-N54X: MCX N94x/54x Highly Integrated Multicore MCUs with On-Chip Accelerators, Intelligent Peripherals and Advanced Security • K8x Secure: Kinetis[®] K8x Secure Microcontrollers (MCUs) Based on Arm[®] Cortex[®]-M4 Core • i.MX RT Crossover MCUs: i.MX RT Crossover MCUs • i.MX6UL: i.MX 6UltraLite Processor - Low-Power, Secure, Arm[®] Cortex[®]-A7 Core
Power Management	<ul style="list-style-type: none"> • PF1550: PMIC with 1A Li+ Linear Battery Charger for Low Power Processor Systems
RTC	<ul style="list-style-type: none"> • PCF8563: Real-Time Clock/Calendar
Load Switch	<ul style="list-style-type: none"> • Load Switches: Load Switches
Smart Card	<ul style="list-style-type: none"> • SMARTMX3-P71D321: SmartMX3 P71D321: Secure and Flexible Microcontroller • SMARTMX3-P71D320: SmartMX3 P71D320: Secure and Flexible Microcontroller • SMARTMX2-P60: SmartMX2 P60: Single/Dual Contact Interface Controllers • MIFARE DESFire: MIFARE[®] DESFire[®]

Reader	<ul style="list-style-type: none"> • PN7462: NFC Cortex[®]-M0 All-in-One Microcontroller with Optional Contact Interface for Access Control • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • MIFARE SAM: MIFARE[®] SAM
Security (EdgeLock Discrete)	<ul style="list-style-type: none"> • 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 [Access Management](#).

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