

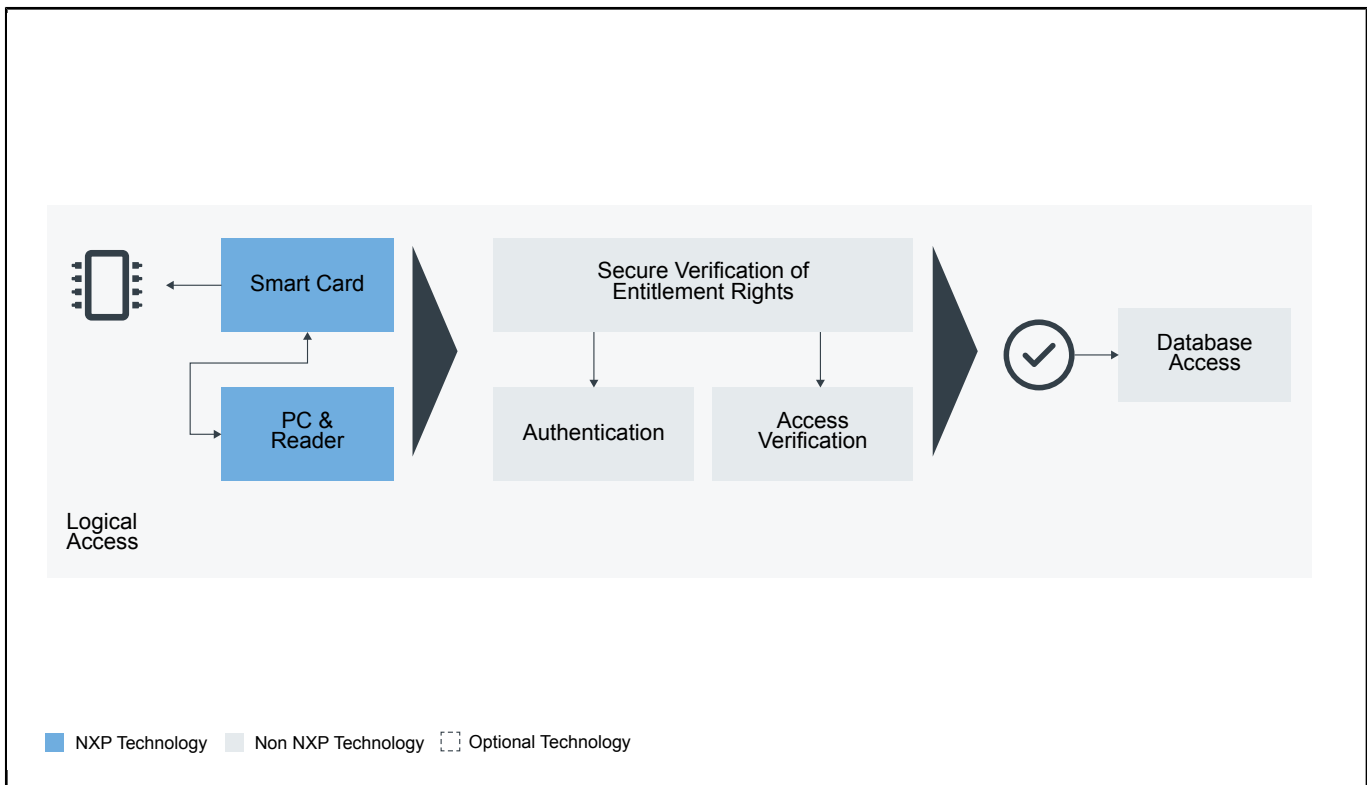


Access Management

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



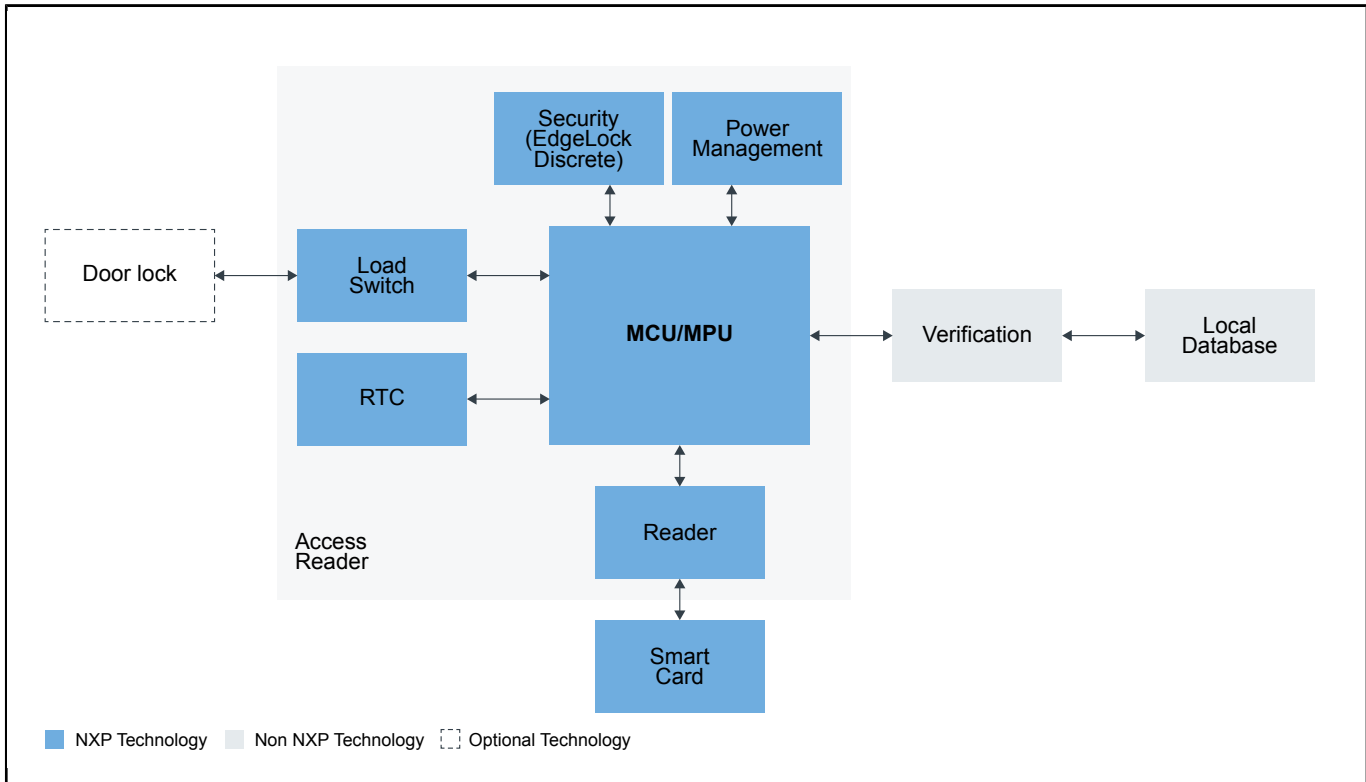
Recommended Products for Logical Access

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
-------------	---

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](#).

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

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.