

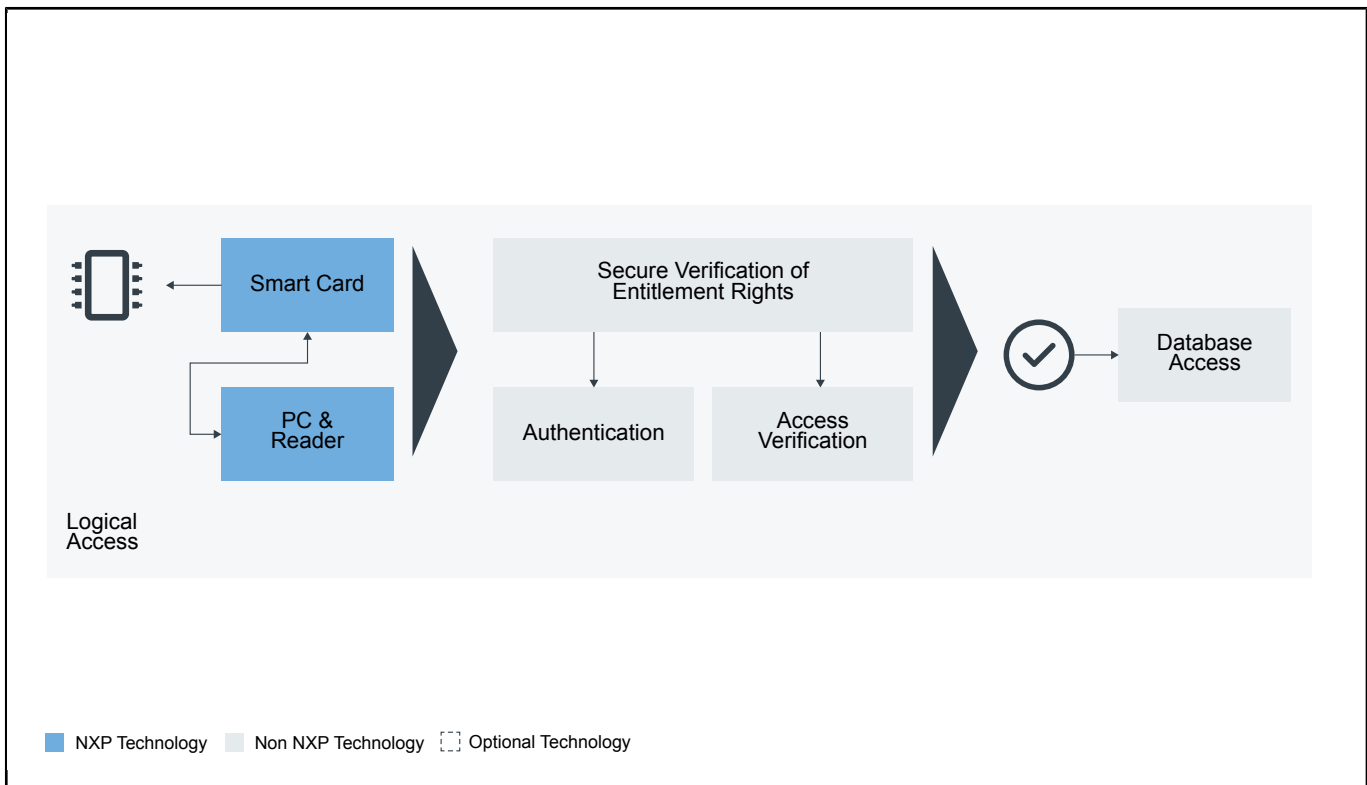


# Access Management

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



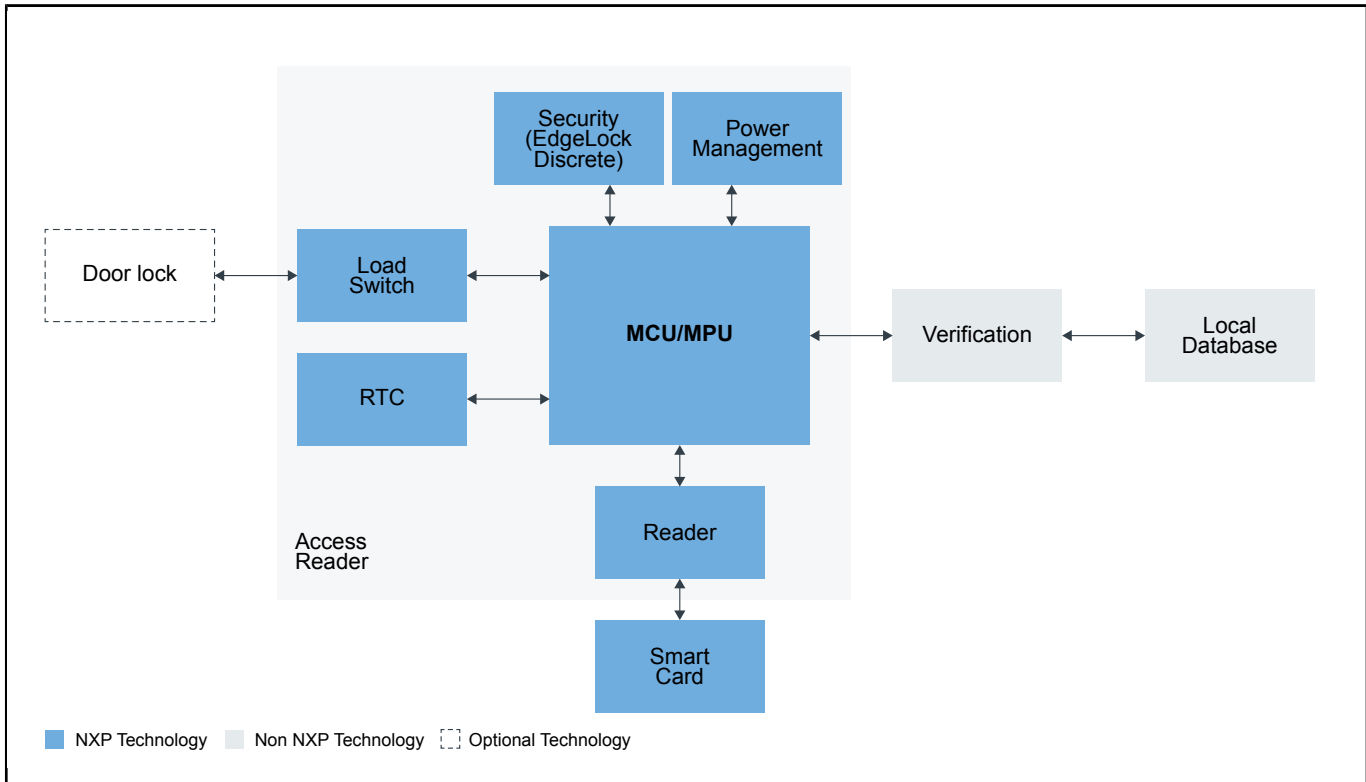
### Recommended Products for Logical Access

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"> <li>• <a href="#">PN7462</a>: NFC Cortex<sup>®</sup>-M0 All-in-One Microcontroller with Optional Contact Interface for Access Control</li> <li>• <a href="#">CLRC66303HN</a>: CLRC663 plus Family: High-Performance NFC Frontends</li> <li>• <a href="#">MIFARE SAM</a>: MIFARE<sup>®</sup> SAM</li> </ul>
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## Physical Access Block Diagram



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

Reader	<ul style="list-style-type: none"> <li>• <a href="#">PN7462</a>: NFC Cortex<sup>®</sup>-M0 All-in-One Microcontroller with Optional Contact Interface for Access Control</li> <li>• <a href="#">CLRC66303HN</a>: CLRC663 plus Family: High-Performance NFC Frontends</li> <li>• <a href="#">MIFARE SAM</a>: MIFARE<sup>®</sup> SAM</li> </ul>
Security (EdgeLock Discrete)	<ul style="list-style-type: none"> <li>• <a href="#">SE050</a>: EdgeLock<sup>®</sup> SE050: Plug and Trust Secure Element Family – Enhanced IoT security with high flexibility</li> <li>• <a href="#">SE051</a>: EdgeLock<sup>®</sup> SE051: Proven, Easy-to-Use IoT Security Solution with Support for Updatability and Custom Applets</li> <li>• <a href="#">EDGELOCK-A5000</a>: EdgeLock<sup>®</sup> A5000 Plug and Trust Secure Authenticator: Authentication Made Secure, Scalable and Easy</li> </ul>

View our complete solution for [Access Management](#).

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

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