

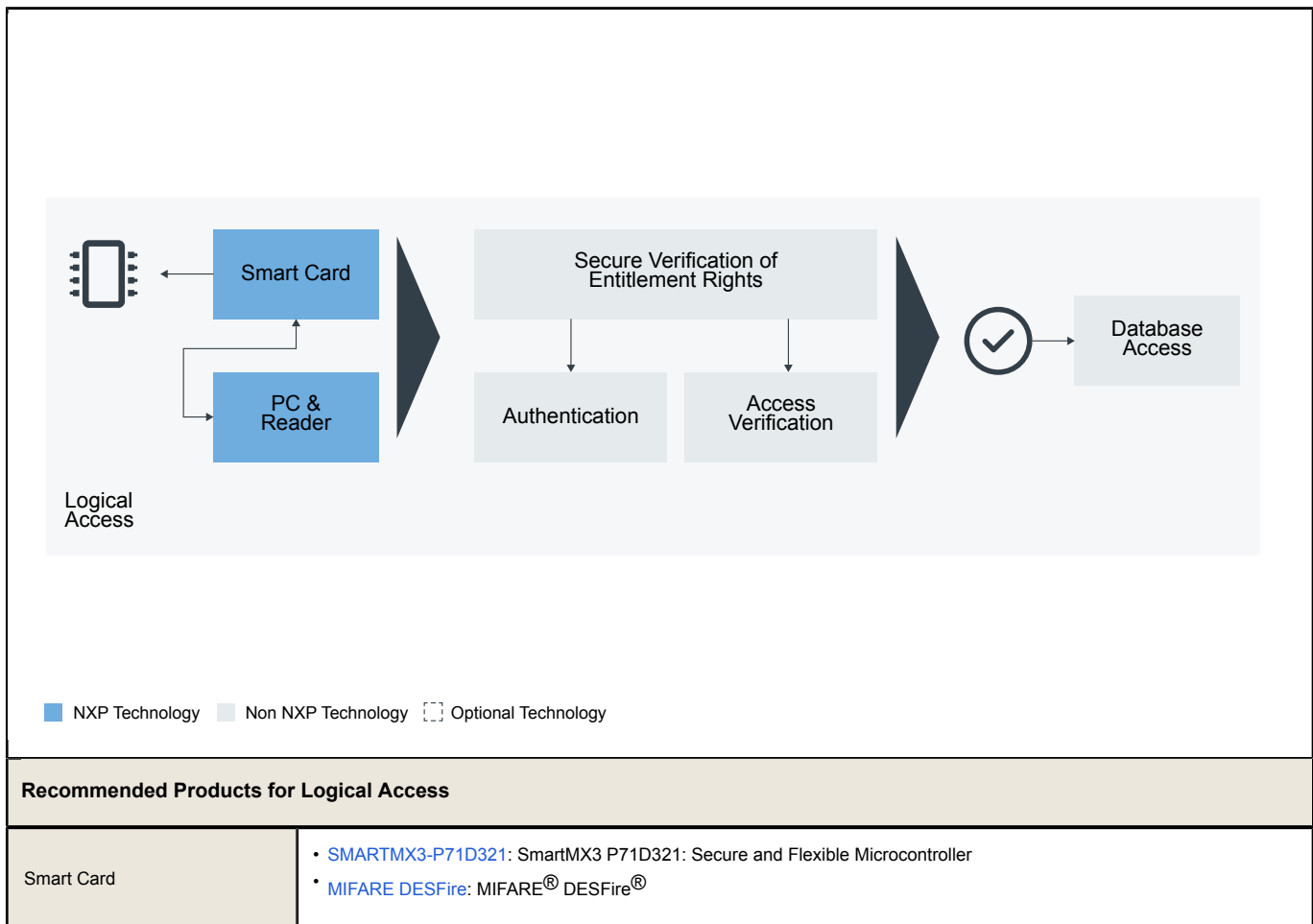


# Access Management

Last Updated: Apr 8, 2025

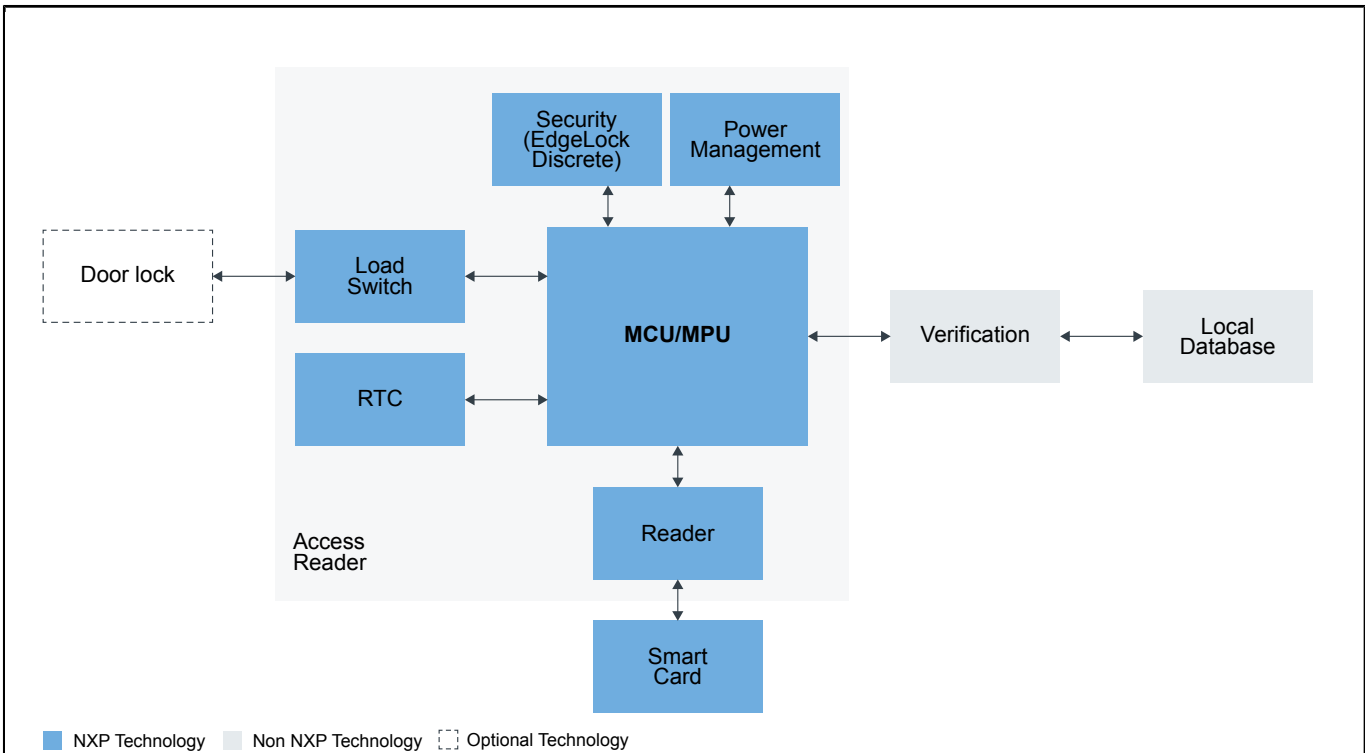
Managing access to buildings and information is crucial across different organizations. Using MIFARE products, NFC, Bluetooth® and UWB technologies, NXP's physical and logical access solutions are scalable and can be tailored to individual users while being cost-efficient and convenient. The integration 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



PC & Reader	<ul style="list-style-type: none"> <li>• <a href="#">PN7462</a>: NFC Cortex®-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® 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-A13X-A14X-A15X</a>: MCX A13x, 14x, 15x MCUs with Arm® Cortex® 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® K8x Secure Microcontrollers (MCUs) Based on Arm® Cortex®-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® Cortex®-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="#">MIFARE DESFire</a>: MIFARE® DESFire®</li> </ul>
Reader	<ul style="list-style-type: none"> <li>• <a href="#">PN7462</a>: NFC Cortex®-M0 All-in-One Microcontroller with Optional Contact Interface for Access Control</li> </ul>

	<ul style="list-style-type: none"> <li>• <a href="#">CLRC66303HN</a>: CLRC663 plus Family: High-Performance NFC Frontends</li> <li>• <a href="#">MIFARE SAM</a>: MIFARE® SAM</li> </ul>
Security (EdgeLock Discrete)	<ul style="list-style-type: none"> <li>• <a href="#">SE050</a>: EdgeLock® SE050: Plug and Trust Secure Element Family – Enhanced IoT Security with High Flexibility</li> <li>• <a href="#">SE051</a>: EdgeLock® SE051: Proven, Easy-to-Use IoT Security Solution with Support for Updatability and Custom Applets</li> <li>• <a href="#">EDGELOCK-A5000</a>: EdgeLock® 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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