



Electronic Identification

Last Updated: Feb 26, 2025

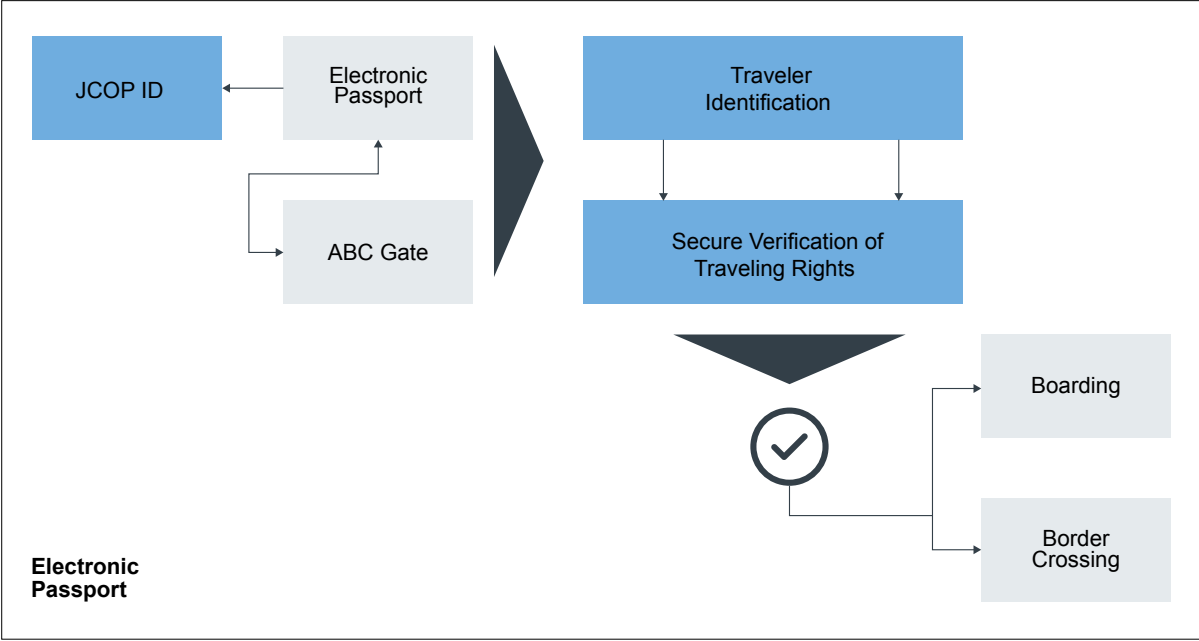
NXP's electronic identification solutions cover a wide range of applications, including electronic passports, electronic IDs, electronic driver licenses, and electronic health cards.

These solutions are designed to boost security, privacy, and efficiency as they are equipped with advanced cryptographic techniques, secure microcontrollers and biometric authentication capabilities.

Electronic documents with NXP's JCOP ID products ensure the integrity and authenticity of electronic identity documents while providing a reliable means of identity verification.

This helps enhance border security and streamline international travel, enables secure access to government and financial services, as well as secure healthcare management and the protection of sensitive information.

Electronic Passport Block Diagram

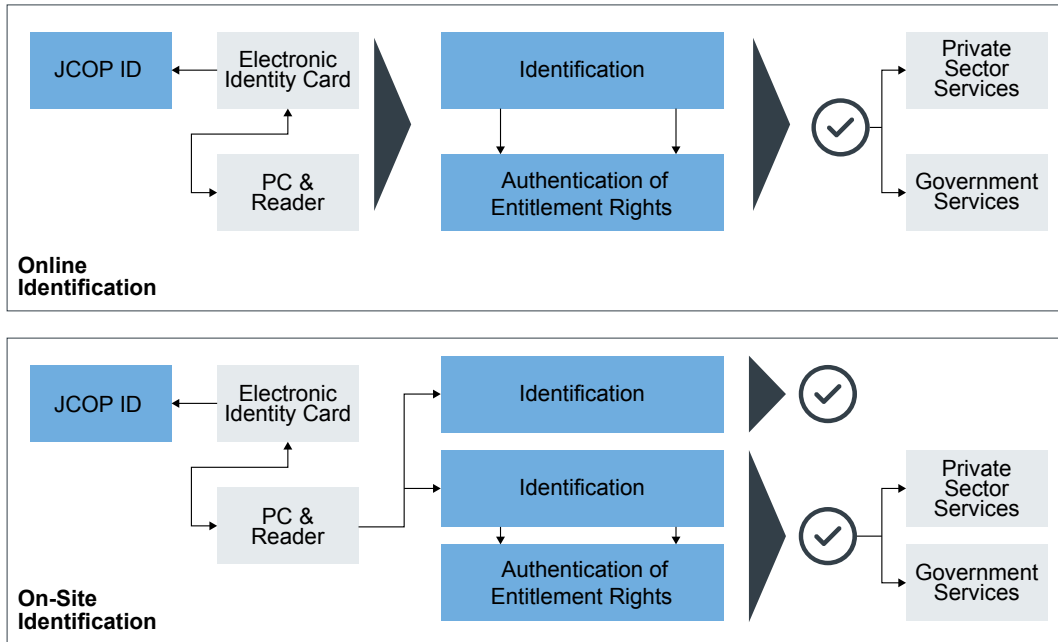


■ NX Technology ■ Non NX Technology □ Optional Technology

Recommended Products for Electronic Passport

JCOP ID	<ul style="list-style-type: none"> • JCOP-ID-1: JCOP® ID 1 • JCOP-ID-2: JCOP® ID 2 Secure eID Solutions • SMARTMX3-P71D321: SmartMX3 P71D321: Secure and Flexible Microcontroller
Identification and Security	<ul style="list-style-type: none"> • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • PN5190: NFC Frontend supporting challenging RF environment for payment, physical access control
Identification and Security	<ul style="list-style-type: none"> • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • PN5190: NFC Frontend supporting challenging RF environment for payment, physical access control

Electronic ID Block Diagram

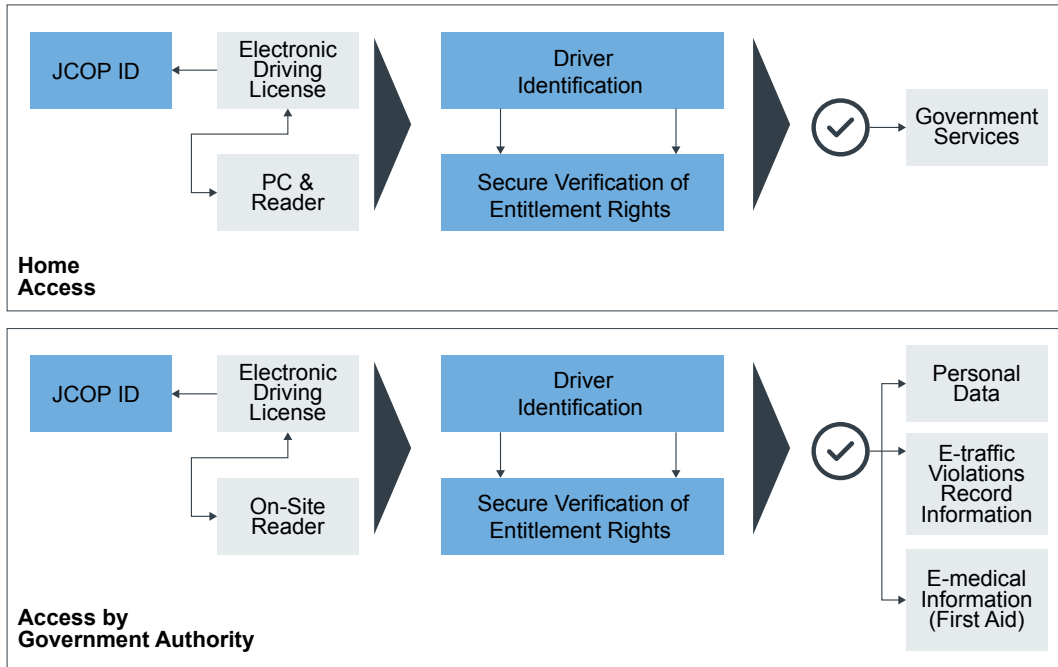


■ NX Technology ■ Non NX Technology □ Optional Technology

Recommended Products for Electronic ID

JCOP ID	<ul style="list-style-type: none"> • JCOP-ID-1: JCOP® ID 1 • JCOP-ID-2: JCOP® ID 2 Secure eID Solutions • SMARTMX3-P71D321: SmartMX3 P71D321: Secure and Flexible Microcontroller
Identification and Security	<ul style="list-style-type: none"> • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • PN5190: NFC Frontend supporting challenging RF environment for payment, physical access control
Identification and Security	<ul style="list-style-type: none"> • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • PN5190: NFC Frontend supporting challenging RF environment for payment, physical access control

Electronic Vehicle License Block Diagram

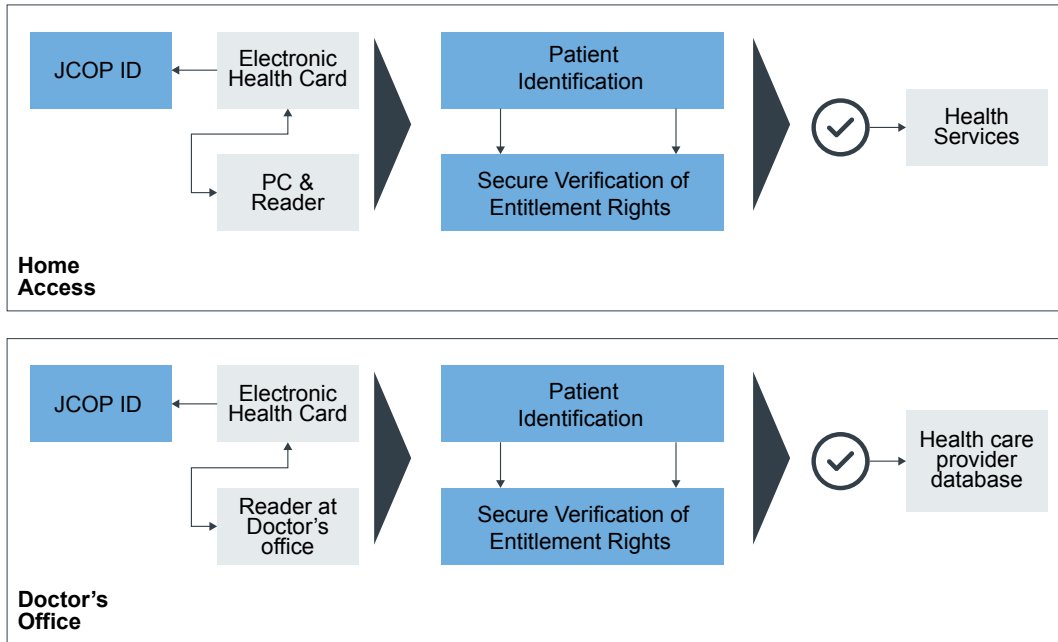


■ NX Technology ■ Non NX Technology □ Optional Technology

Recommended Products for Electronic Vehicle License

JCOP ID	<ul style="list-style-type: none"> • JCOP-ID-1: JCOP® ID 1 • JCOP-ID-2: JCOP® ID 2 Secure eID Solutions • SMARTMX3-P71D321: SmartMX3 P71D321: Secure and Flexible Microcontroller
Identification and Security	<ul style="list-style-type: none"> • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • PN5190: NFC Frontend supporting challenging RF environment for payment, physical access control
Identification and Security	<ul style="list-style-type: none"> • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • PN5190: NFC Frontend supporting challenging RF environment for payment, physical access control

Electronic Health ID Block Diagram



■ NX Technology ■ Non NX Technology □ Optional Technology

Recommended Products for Electronic Health ID

JCOP ID	<ul style="list-style-type: none"> • JCOP-ID-1: JCOP® ID 1 • JCOP-ID-2: JCOP® ID 2 Secure eID Solutions • SMARTMX3-P71D321: SmartMX3 P71D321: Secure and Flexible Microcontroller
Identification and Security	<ul style="list-style-type: none"> • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • PN5190: NFC Frontend supporting challenging RF environment for payment, physical access control
Identification and Security	<ul style="list-style-type: none"> • CLRC66303HN: CLRC663 plus Family: High-Performance NFC Frontends • PN5190: NFC Frontend supporting challenging RF environment for payment, physical access control

View our complete solution for [Electronic Identification](#).

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. © 2025 NXP B.V.