



Electronic Identification

Last Updated: Jan 9, 2025

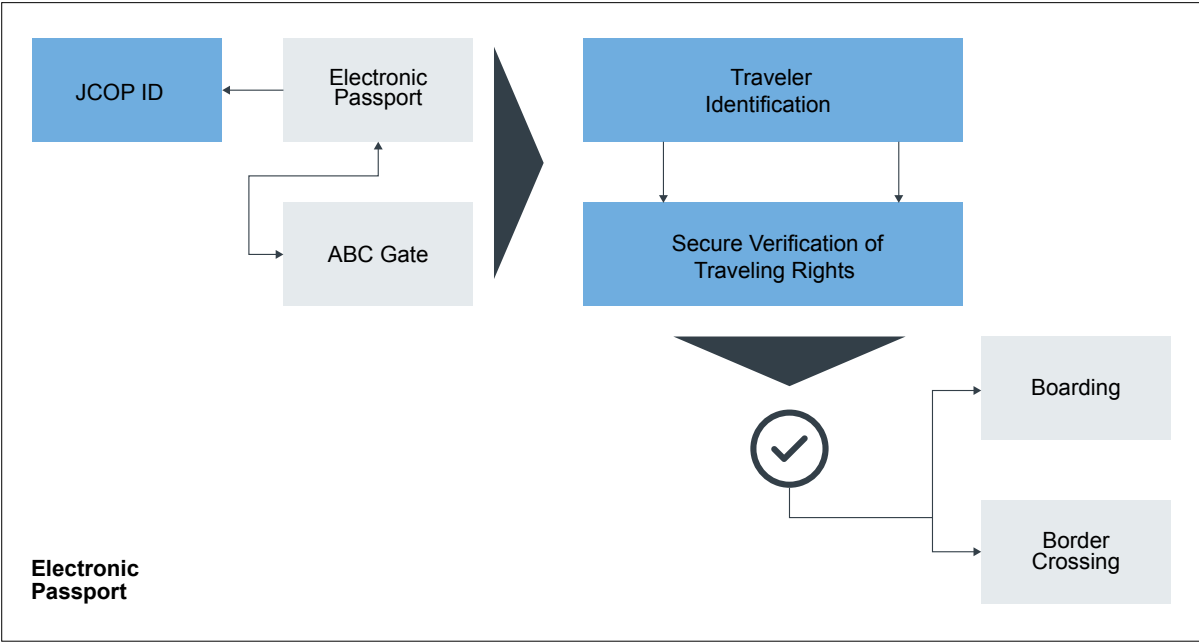
NXP's electronic identification solutions cover a wide range of applications, including electronic passports, electronic IDs, electronic driver licenses, and electronic health cards.

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

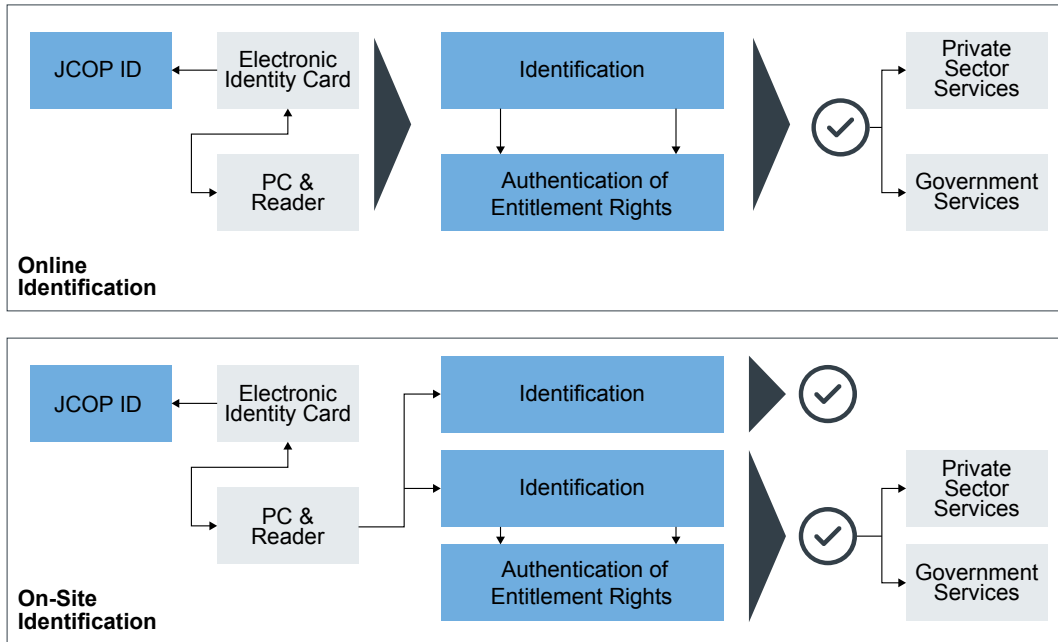


■ NX Technology ■ Non NX Technology □ Optional Technology

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 • SMARTMX3-P71D320: SmartMX3 P71D320: Secure and Flexible Microcontroller • SMARTMX2-P60: SmartMX2 P60: Single/Dual Contact Interface Controllers |
| 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

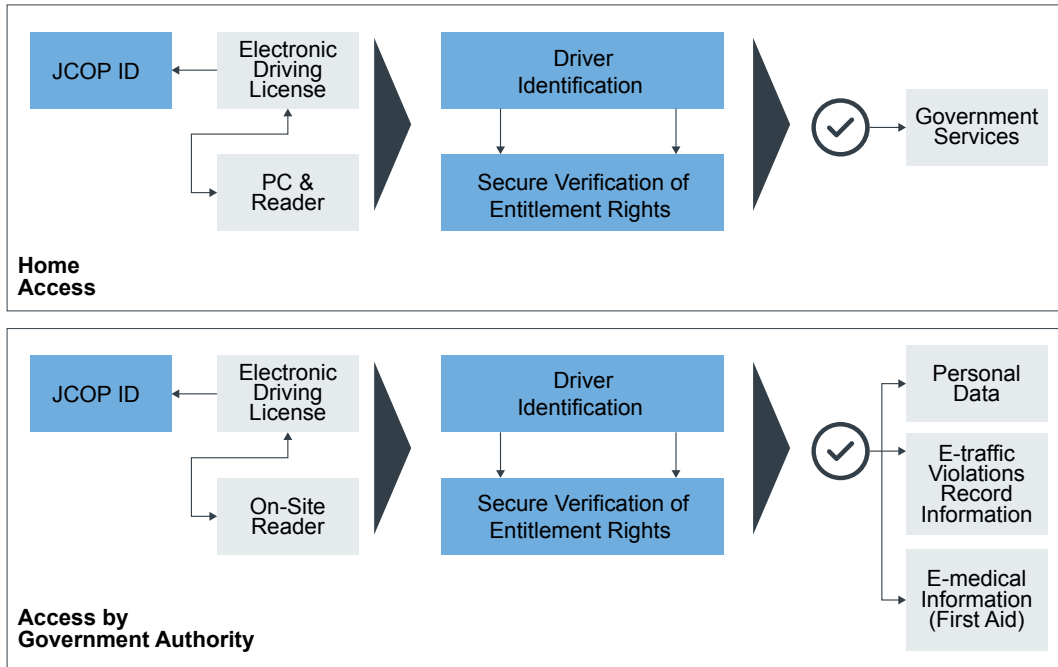


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Recommended Products for Electronic ID

| | |
|-----------------------------|---|
| 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 • SMARTMX3-P71D320: SmartMX3 P71D320: Secure and Flexible Microcontroller • SMARTMX2-P60: SmartMX2 P60: Single/Dual Contact Interface Controllers |
| 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

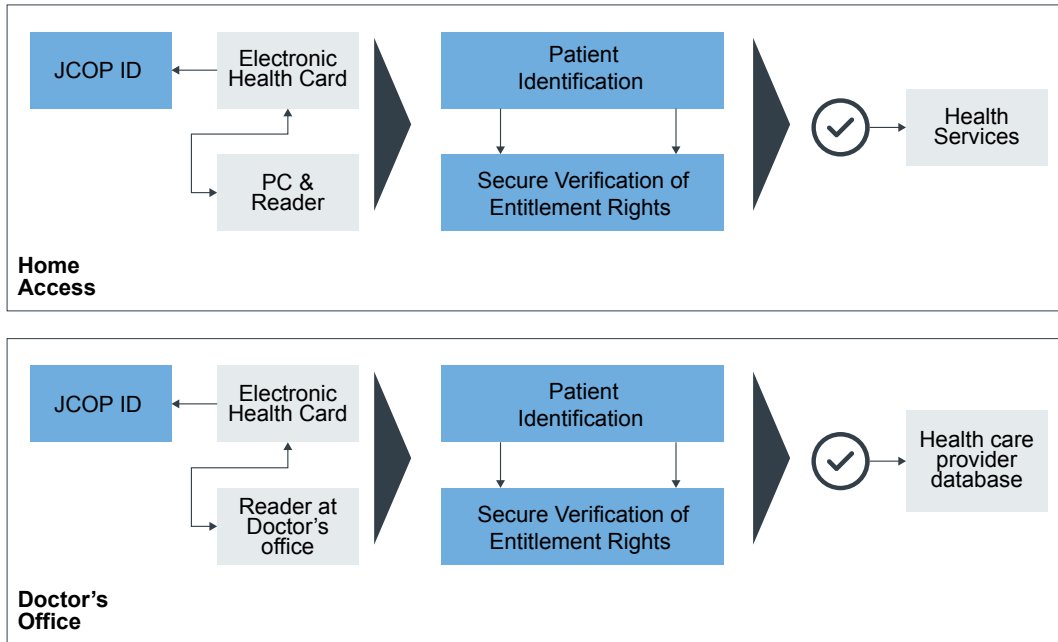


■ NX Technology ■ Non NX Technology □ Optional Technology

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 • SMARTMX3-P71D320: SmartMX3 P71D320: Secure and Flexible Microcontroller • SMARTMX2-P60: SmartMX2 P60: Single/Dual Contact Interface Controllers |
| 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 • SMARTMX3-P71D320: SmartMX3 P71D320: Secure and Flexible Microcontroller • SMARTMX2-P60: SmartMX2 P60: Single/Dual Contact Interface Controllers |
| 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 |
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View our complete solution for [Electronic Identification](#).

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