



RFID JOURNAL LIVE!

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PHOENIX CONVENTION CENTER | PHOENIX, AZ

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Introducing the ST25TV02KC ISO15693 Augmented NDEF Tag

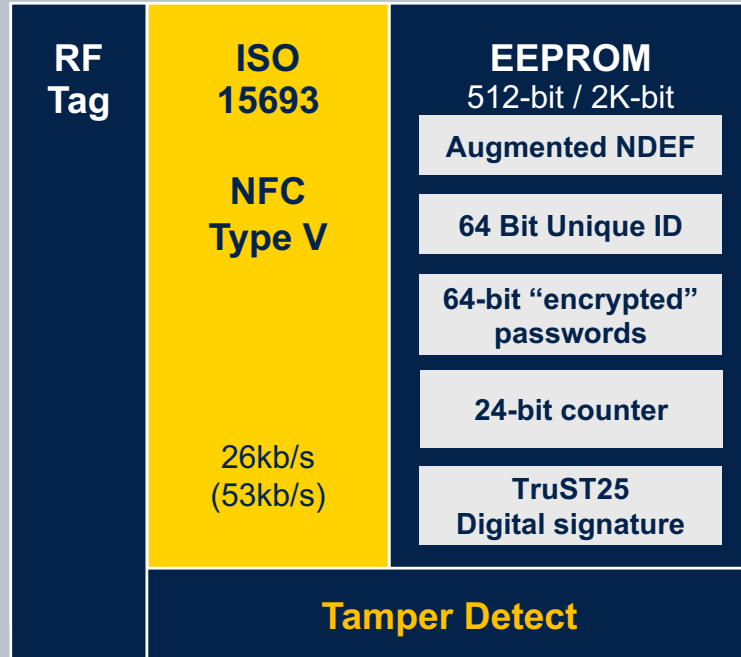
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RFID/NFC Technical Marketing Manager



ST25TV512C/02KC NFC Tag



ST25TV512C / 02KC



FPN5



SBN12 / SBN075

Die form, sawn and Bumped inkless 8" wafer, 120µm/75µm thickness

Use cases

- Product Identification, asset tracking, consumer engagement, access control, gaming
- Tamper proof application, brand protection

Key Features

- **ISO15693** and **NFC Type V** (long range operations, 26kb/s)
- **Memory configuration** : 512-bit and up to 2560-bit
- **TruST25 Digital Signature** (can be used into ANDEF : 2K-bit only)
- 24-bit **Unique Tap Code (UTC)** with anti-tearing
- 64-bit **Unique Identifier (UID)** complies with ISO/IEC 15693 and ISO/IEC 7816-6
- **Untraceable** (by default possible) & Kill modes
- **Tamper Detect pin** for open / short detection
- **Augmented NDEF**: UID, signature, UTC, Tamper, ctm field, PWD counter



Key Benefits

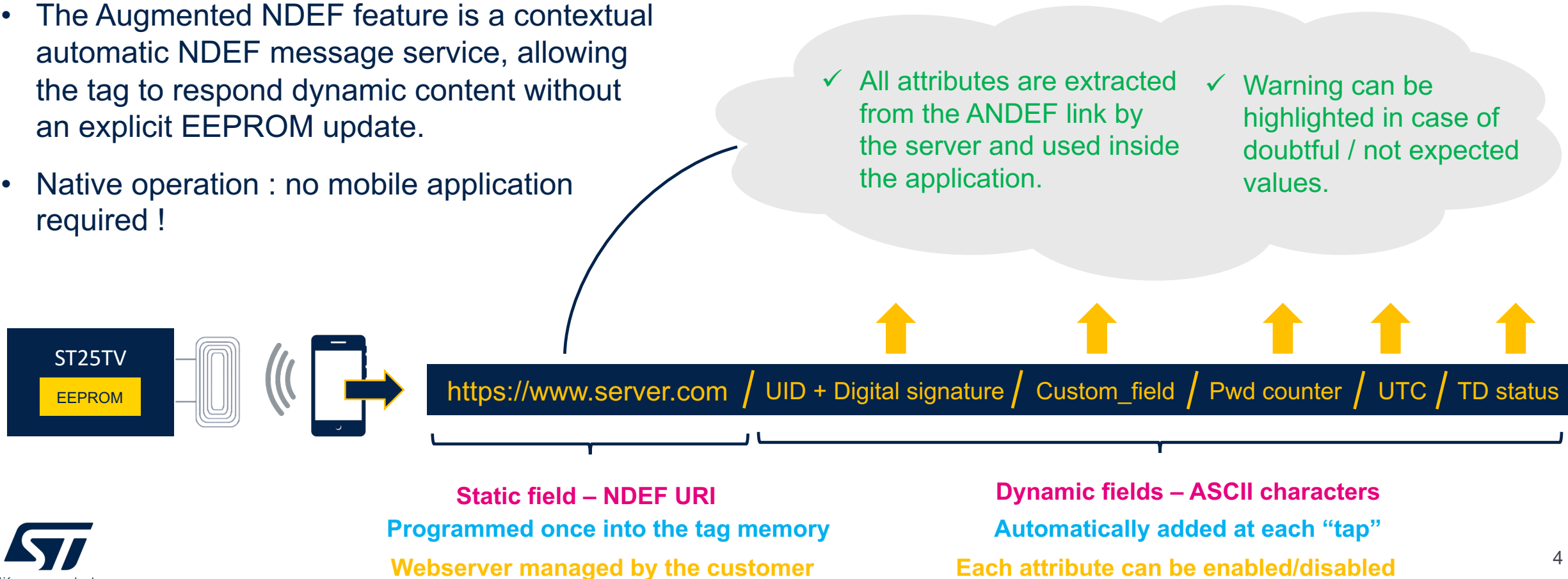
- **Configurable User Memory Area**
- Cloning Protection with **Digital Signature** (Cloud management)
- **60 years** data retention, **100k cycles** erase/write



ST25TV512C/02KC Augmented NDEF

Advanced NDEF message services

- The Augmented NDEF feature is a contextual automatic NDEF message service, allowing the tag to respond dynamic content without an explicit EEPROM update.
- Native operation : no mobile application required !

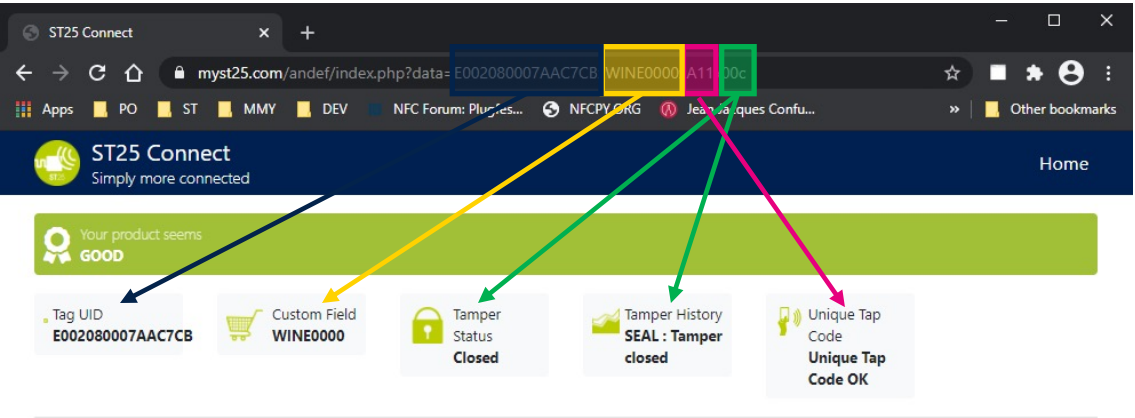




ST25TV512C/02KC Augmented NDEF

Webserver demo:

[https://www.myst25.com/andef/index.php?data=\[UID\]x\[CUST\]x\[UTC\]x\[TD\]](https://www.myst25.com/andef/index.php?data=[UID]x[CUST]x[UTC]x[TD])



Name



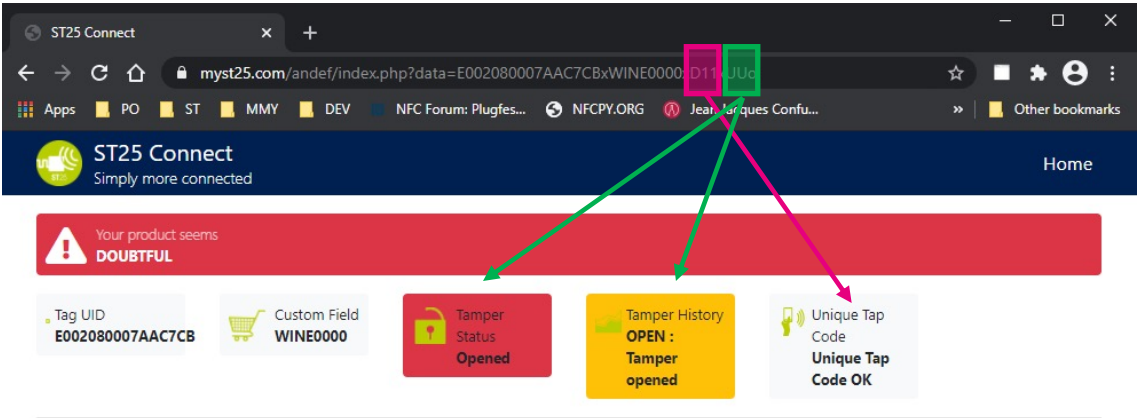
For Validation Purpose

TD0/TD1 pins
disconnected

Name



For Validation Purpose



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