

# ST25TV series

## Tags for Consumer Engagement



**NFC forum certified Tag Type 5, with ISO15693 RF interface, TruST25™ Digital Signature, Tamper Detect and privacy features.**

ST's ST25TV ICs provide NFC forum tags that enable consumer to experience a digital life. The embedded EEPROM memory density spans from 512-bit to 64-Kbit, covering a wide spectrum of applications including Brand protection and Access control. The ST25TV series delivers state-of-the-art RF performance together with strong protections such as block lock mechanism and encrypted passwords.

### KEY FEATURES

- ISO/IEC 15693
- From 512-bit to 64-Kbit EEPROM with write protect
- 64-bit unique identifier
- 16-bit counter with anti-tearing
- 23.5pF & 97pF tuning capacitance
- Up to 60 years data retention
- 100K write erase cycles
- Kill / Privacy mode
- Digital Signature / Tamper detect

### KEY BENEFITS

- Wide memory density options
- High-reliability EEPROM

- Anti-collision mechanism
- Read or Write operations
- Tamper detect indicator
- Privacy Protection
- Antenna Class 1 to Class 6 support

### KEY APPLICATIONS

- Consumer engagement
- Brand protection
- Access control
- Asset Tracking
- Identification
- Gaming



## DEVICE SUMMARY

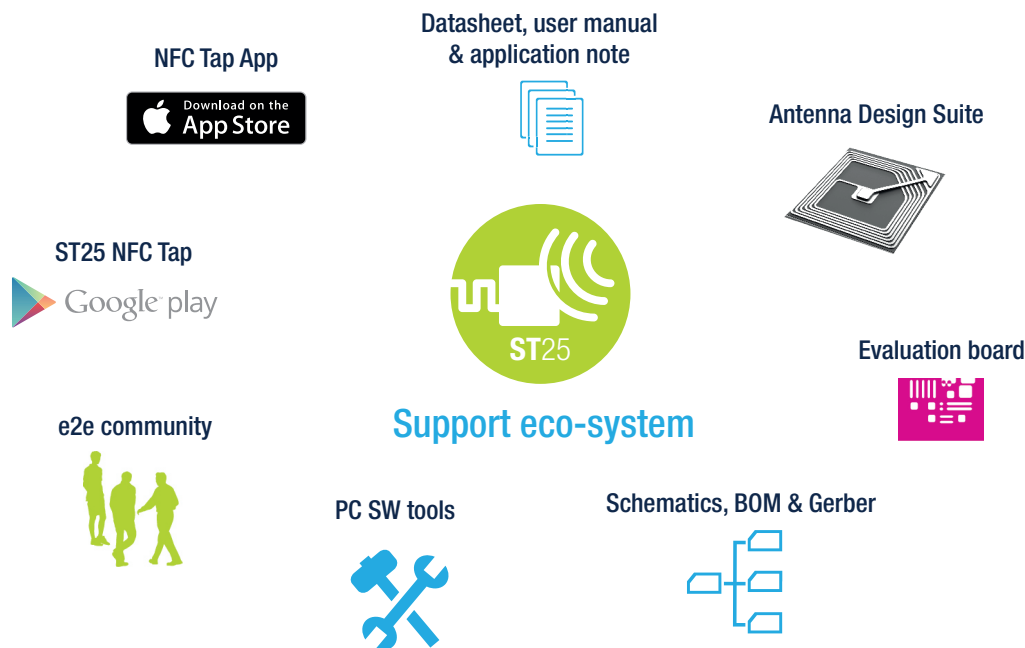
Part number	RF interface	Memory size	Trust25™ Digital Signature	Tamper Detect	Capacitance	Package
ST25TV512	ISO 15693	512-bit	Yes	Yes / No	23.5pF / 97pF	SBN12 * and SBN075*
ST25TV02K	ISO 15693	2-Kbit	Yes	Yes / No	23.5pF / 97pF	SBN12 *, SBN075* and UDFFPN5
ST25TV16K-AP6G3	ISO 15693	16-Kbit	Yes	No	28.5pF	SBN12 *
ST25TV64K-AP6G3	ISO 15693	64-Kbit	Yes	No	28.5pF	SBN12 *

\* SBN12: Sawn and Bumped wafer (die form), 120µm thickness. SBN075: Sawn and Bumped wafer (die form), 75µm thickness

## REFERENCE DESIGN KITS



## ST25TV SERIES ECO-SYSTEM



## TECHNICAL SUPPORT

The ST25 NFC/RFID Tags family offers a simple and cost-effective implementation. ST can provide supporting material for integrating the antenna into your application: application notes, reference designs, antenna computation tools, e-presentations and e-learning. Visit [www.st.com/ST25T](http://www.st.com/ST25T)



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