

# Thales Audio Device

Universal Audio QR tokens and readers for enhanced accessibility usage

### Digital Banking services for all

Banks and financial institutions play an important role in societies by enabling access to digital banking services as well as facilitating self-sufficiency. Access to banking services for everyone is a necessity at an individual level, and not simply at the household or community level. Already more than 1 in 5 of the population in Europe and more than 1 in 6 in Northern America are above 65 years of age, and this is estimated to continue to rapidly increase in the decades to come. This means that banking services that are easily accessible today should also accompany the ageing population in the future.

A bank that understands the need for improved accessibility for customers who have difficulties using small devices, the elderly and the visually impaired for example, will strive to ensure a more user friendly experience for all its consumers, with disabilities or not.

### Thales Audio QR devices

Thales Audio QR reader and token improve accessibility of your digital banking services in compliance with most recent EU and North-american regulations, all while leveraging security. As part of our versatile digital banking suite, these devices fit perfectly in any bank's security model. They can easily be accompanied by your choice of complementary products and/or services. They can be supplied as a versatile EMV-CAP card reader or a configurable OATH-OCRA compliant token, enabling QR-code acquisition, which can be used for strong authentication and transaction signing. Carefully designed to be convenient for people who cannot easily use small devices, it is equipped with a large TFT graphical colour screen, a keyboard with concave and embossed keys, a camera for QR code acquisition, a loud speaker with speech capabilities and multiple functionalities (message echoing, repeat button, volume control, headphone plug, contrast tuning...) allowing among others, visually impaired people to perform digital banking and digital commerce operations in strict compliance with non-discriminating regulations.

Last but not least, besides their best-in-class usability design, the Thales Audio QR devices provide unrivalled security by enabling SWYS (Sign-What-You-See) operations, which allow to transmit securely data or messages to the device (using signed QR-codes), to display these data on the device screen (allowing user control) and to sign them, mitigating any type of Man-in-middle, phishing, and social engineering attacks.



### Benefits

- Enhanced usability for all
- Data and identity protection
- Strong authentication
- SWYS signature
- QR-code acquisition
- Speech capabilities
- Customizable (branding, functions, messages...)
- Multiple language support

# Key features

## Dimensions

	Token	Reader
Device specification	W: 121.5mm L: 75mm H: 18mm 104g	W: 123.9mm L: 76.35mm H: 24 mm 140g

## Display and keyboard

- Large graphical display: 2'44 TFT LCD
- Keypad with embossed symbols on function keys:
  - 0..9
  - C & OK
  - Menu, Repeat & Scan
- Contrast tuning (Menu)
- Volume control (+/-, button)
- Rubber feet for stable use on desktop

## Battery

- 2 x AAA replaceable batteries
- More than 3000 OTPs with one set of batteries (speaker active, medium volume)
- No tool needed to replace batteries

## Compliance to standards

- ISO 7816 Parts 2 & 3 smart cards
- PSCS 2.0 Part10: Secure PIN Entry
- ISO 19004 QR Codes
- CAP2007 including
  - VISA DPA 2005 addendum
  - Mastercard PLA 2010
  - APACS

## Certifications

- CE / UKCA / FCC (electromagnetic compatibility)
- IEC / EN IEC 62368-1 (safety)
- EU 219/882 (accessibility)
- RoHS / REACH (restricted substances)



## Enhanced features

- Thales patented Dynamic Signature technology
- Speech capabilities with built in speaker
- SWYS control with QR-code acquisition

## Environmental status report

Thales Audio devices are part of our continuing environmental progress using our eco-design principles with the following features to reduce environmental impact:

- Casing made of Second life plastic
- Compliant with ROHS and WEEE

## About Thales

In today's digital landscape, organizations rely on Thales to protect what matters most - applications, data, identities, and software. Trusted globally, Thales safeguards organizations against cyber threats and secures sensitive information and all paths to it – in the cloud, data centers, and across networks. Thales offers platforms that reduce the risks and complexities of protecting applications, data, identities and software, all aimed at empowering organizations to operate securely in the digital landscape. By leveraging Thales's solutions, businesses can transition to the cloud with confidence, meet compliance requirements, optimize software usage, and deliver exceptional digital experiences to their users worldwide.