

Thales OEM Document Reader AT10K-m



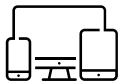
Identity & Biometrics Solutions

Thales AT10K-m OEM inspects and images travel documents, including electronic travel documents and 1D and 2D barcodes used by the airline industry on boarding passes and cell phones.

Benefits

- **Ergonomic design:** LED Landing lights feedback; Optional user removable hood and document spine hold down clip to provide flexibility for the user to operate in their preferred style
- **Eco-friendliness:** World's first document reader to achieve an Energy Star certificate, consumes 28% less power than previous generations
- **mDL & mDoc compatible (optional):** QR code and Fast Bluetooth (BLE) transmission or NFC pairing with digital ID documents, of identity data conforming to ISO/IEC 18013-5 standard; Future-proof firmware and SDK updates aligned with digital ID standards evolutions; Convenience for end-users through Tap-and-Go feature

Key features



Mobile compatible



Anti-glare technology



Hoodless operations



Energy Star certified



USB power option



Power supply power option

Comprehensive software features

- Uses the same API interface as other Thales document readers using Thales Document Reader SDK
- Flexible software interface: host application can select illumination sources, image type, image compression, photo extraction, reflection or ambient light elimination, color enhancement, which data groups to read, etc.
- Simple high level API for quick program development or detailed low level API for fine control of all reader functions. SDK provides full configuration API
- Contactless IC reading for ePassports (LDS 1.7 & 1.8) including basic access control (BAC), passive/active authentication (PA/AA), Chip Authentication (CA), Terminal Authentication (TA), extended access control (EAC v1/v2), supplementary access control (SAC) and PACE-CAM are supported. The SDK provides writing capability using APDUs
- Contactless IC reading for eDL & iDL (electronic driving licenses) up to DG14 including basic access control (BAP v1), Password Authenticated Connection Establishment (PACE), passive/active authentication (PA/AA), Chip Authentication (CA), Terminal Authentication (TA), supplementary access control (SAC) and extended access control (EAC v1) are supported
- Full SDK including DLLs, code examples, utilities and demonstration programs. Can be used with Visual C++®, Java® and Microsoft® .NET Framework for Visual Basic® .NET and Visual C#®

Ideal solution for enhanced security

AT10K-m OEM document readers meet the needs of organisations for enhanced security and reliable identity verification in many applications:



Retail

Age and ID verification for controlled products, liquor, cigarettes, firearms, pharmaceuticals, etc.



Financial Services

Identity verification during registration for regulatory requirements, fraud prevention and ID theft.



Hotel, Hospitality and Gaming

Physical security & travel risk management to ISO 31030. VIP alerting, registration and cash management.



Law Enforcement

Identity verification for quick and accurate inmate booking, courthouse security processing, and correctional facility visitation.



Healthcare

Identity verification for insurance validation, patient admissions, and prescription pick-up.



Visitor Management

Identity verification for educational, commercial, or corporate settings e.g. access control, time & attendance, VIP alerting.



Transportation and car leasing

ID verification for regulatory requirements, fraud prevention, access control and expedited service.

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IMAGING

Illumination	<ul style="list-style-type: none"> Near IR B900: 880nm, +/-5% White visible: 400-700nm - Ultraviolet (UVA): 365nm (Optional) Co-axial (retroreflective) white (400-700nm)
Resolution	<ul style="list-style-type: none"> High-Resolution: 550 DPI; 10 Megapixel sensor 36 bit RGB colour system for enhanced dynamic range and in-camera scalable images up to 700 dpi
Formats	<ul style="list-style-type: none"> BMP, PNG or JPEG format
Additional features	<ul style="list-style-type: none"> Auto-trigger of document capture Anti glare technology

READING CAPABILITIES

Optical Character Recognition (OCR) reading	<ul style="list-style-type: none"> ICAO compliant documents in near infrared (IR) per ICAO 9303 specification One line Driving Licenses in near infrared (IR) per ISO 18013 part 2 specification
Barcode reading	<ul style="list-style-type: none"> 1D barcodes (IATA 2 of 5, 2 of 5 interleaved, 2 of 5 industrial, Code 128, Code 39, EAN-8 and EAN-13) 2D barcodes used on BCBP and other documents (PDF 417, QR Code®, DataMatrix™ and Aztec formats) from paper documents and many mobile devices, AAMVA parser decodes North American Drivers License barcodes
Contactless RFID/NFC	<ul style="list-style-type: none"> ISO 14443 (13.56MHz) Type A and B using a PC/SC interface ePassport support for ICAO 9303 LDS 1.7 & 1.8 and PKI using included SDK iDL & eDL reading and access control for driving licenses to ISO 18013 parts 2 & 3 and ISO/CEI TR 19446 using included SDK All standardized rates, up to 848 Kbps PC/SC interface provides support to other card types such as Mifare™ SDK certified to BSI TR-03105 Parts 5.1 and 5.2
mDoc reading (optional)	mDL and mDoc compliant to ISO 18013-5 using QR code engagement and Bluetooth (BLE) data transfer or NFC
VIZ Data Capture (optional)	<ul style="list-style-type: none"> Data entry automation: no more manual typing or photocopying Accurate form filling, including into web pages
Smartcard (optional)	<ul style="list-style-type: none"> Contact smartcard to ISO 7816 Class A and B (T0/T1) Factory fit or customer upgrade ; Width of the reader with smartcard add-on: 16.9 cm (6.6")

MECHANICAL

Dimensions	17.1 x 14.5 x 6.5 cm / 6.7 x 5.7 x 2.6 in
Weight	1.1 kg
Glass	Low scratch, Chemically Strengthened, fully bonded glass
Security	<ul style="list-style-type: none"> Slot for Kensington® Security Lock Recessed power switch on rear panel

ELECTRONICS

Power	USB or via optional universal input external power supply
Power consumption	5 volts DC; 900mA when USB 3.2 type A; 3.0A when USB 3.2 Type C
Minimum PC specification	<ul style="list-style-type: none"> 2 GHz Pentium® 4 CPU (Intel Core 2 Duo recommended) 1 GB DRAM 1 USB 3 Port 60 MB of Hard Drive space for software Windows® 8.1, Windows® 10 or Windows 11® operating systems, 32 or 64 bit Builds for Ubuntu and CentOS LTS, 32 & 64 bit macOS (limited SDK functionality)

ENVIRONMENT

Temperature	Operating: -10° to 50° C (14° - 131° F); Storage: -20° to 50° C (-4° - 131° F)
Humidity	20 to 95% (R.H. non-condensing)
IP rating	IP54 rating for dust ingress protection in the optical chamber

MAINTENANCE

Service & maintenance	<ul style="list-style-type: none"> Two-year warranty - Extended agreement available Each reader is supplied with one Microfibre cleaning cloth
Firmware upgrade	<ul style="list-style-type: none"> Upgradeable firmware via USB interface Non-volatile configuration and calibration accessed via USB interface Images captured in volatile memory for immediate erasure upon power loss (GDPR compliance)

CERTIFICATIONS

FCC Part 15 Class A, CB report, US & CA ETL Listed, CE - RED, LVD & EMC, EU WEEE, REACH & RoHS, Energy Star