



# Thales OEM Document Reader **AT10K**

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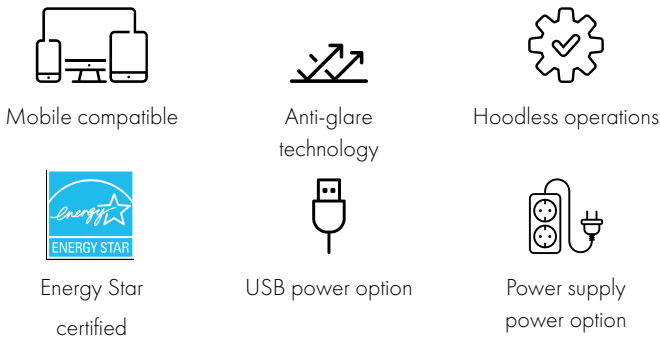
## Identity & Biometrics Solutions

Thales AT10K 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 & NFC pairing with digital ID documents, Fast Bluetooth transmission 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 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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<b>IMAGING</b>	
<b>Illumination</b>	<ul style="list-style-type: none"> <li>Near IR B900: 880nm, +/-5%</li> <li>White visible: 400-700nm</li> <li>Ultraviolet (UVA): 365nm</li> <li>Co-axial (retroreflective) white (400-700nm) light</li> </ul>
<b>Resolution</b>	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
<b>Formats</b>	BMP, PNG or JPEG format
<b>Auto-triggering of document capture</b>	Yes
<b>Anti-glare technology</b>	Yes
<b>READING CAPABILITIES</b>	
<b>OCR reading</b>	<ul style="list-style-type: none"> <li>ICAO compliant documents in near infrared (IR) per ICAO 9303 specification</li> <li>One line Driving Licenses in near infrared (IR) per ISO 18013 part 2 specification</li> </ul>
<b>Barcode reading</b>	<ul style="list-style-type: none"> <li>1D barcodes (2 of 5 interleaved, 2 of 5 industrial, Code 128, Code 39, EAN-8 and EAN-13)</li> <li>2D barcodes used on BCBP and other documents (PDF 417, QR Code®, DataMatrix™ and Aztec formats) from paper documents and many mobile devices</li> </ul>
<b>Contactless RFID (optional)</b>	<p>Reads from and writes to contactless chips and eID according to:</p> <ul style="list-style-type: none"> <li>ISO 14443 (13.56MHz) Type-A and Type-B using a PC/SC interface</li> <li>ePassport support for ICAO 9303 LDS 1.7 &amp; 1.8 and PKI using included SDK</li> <li>iDL &amp; eDL reading and access control for driving licenses to ISO 18013 parts 2 &amp; 3 and ISO/CEI TR 19446 using included SDK</li> <li>All standardized rates, up to 848 Kbps, read-out times depend on RFID tag, operating system and amount of data stored in the chip</li> <li>PC/SC interface provides support to other card types such as Mifare™</li> <li>SDK certified to BSI TR-03105 Parts 5.1 and 5.2.</li> </ul>
<b>VIZ Data capture (optional)</b>	<ul style="list-style-type: none"> <li>Data entry automation: no more manual typing or photocopying</li> <li>Accurate form filling, including into web pages</li> </ul>
<b>Contact Smart Card Option</b>	Available: Supports ISO 7816 Class A and B smart card ((T0/T1)
<b>MECHANICAL</b>	
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>17.1 x 14.5 x 6.5 cm / 6.7 x 5.7 x 2.6 in</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>1.1 kg</li> </ul>
<b>Glass</b>	Low scratch, Chemically Strengthened, fully bonded glass with oleophobic coating
<b>Security</b>	<ul style="list-style-type: none"> <li>Slot for Kensington® Security Lock</li> <li>Recessed power switch on rear panel</li> </ul>
<b>ELECTRONICS</b>	
<b>Power supply</b>	<ul style="list-style-type: none"> <li>USB: 5 volts DC, 500mA (when USB 2.0 powered)</li> <li>Optional external power supply: 100-240 VAC, 47-63 Hz</li> </ul>
<b>Minimum PC specification</b>	<ul style="list-style-type: none"> <li>2 GHz Pentium® 4 CPU (Intel Core 2 Duo recommended)</li> <li>1 GB DRAM</li> <li>USB 2.0</li> <li>60 MB of Hard Drive space for software</li> <li>Windows® 10 or Windows 11® operating systems, 32 or 64 bit Builds for</li> <li>Ubuntu and CentOS LTS, 32 &amp; 64 bit</li> <li>macOS (limited SDK functionality)</li> </ul>
<b>ENVIRONMENT</b>	
<b>Temperature</b>	Operating: -10° to 50° C (14° - 131° F); Storage: -20° to 50° C (-4° - 131° F)
<b>Humidity</b>	20 to 95% (R.H. non-condensing)
<b>Ip rating</b>	IP54 rating for dust ingress protection in the optical chamber
<b>MAINTENANCE</b>	
<b>Service &amp; maintenance</b>	<ul style="list-style-type: none"> <li>Two-year warranty</li> <li>Extended warranty agreement available</li> <li>User changeable glass</li> </ul>
<b>Firmware upgrade</b>	<ul style="list-style-type: none"> <li>Upgradeable firmware via USB interface</li> <li>Non-volatile configuration and calibration accessed via USB interface</li> <li>Images captured in volatile memory for immediate erasure upon power loss (GDPR compliance)</li> </ul>
<b>CERTIFICATIONS</b>	
	<ul style="list-style-type: none"> <li>FCC Part 15 Class A, CB report, UL UL-C, CE - RED, LVD &amp; EMC, EU WEEE, REACH &amp; RoHS, Energy Star</li> </ul>