



Thales OEM Intelligent Document Reader **AT10Ki**

Thales OEM Intelligent Document Reader AT10Ki



Identity & Biometrics Solutions

With built-in processing, the AT10Ki OEM can inspect, authenticate and capture data from electronic travel and identity documents quickly and reliably in cloud and virtual computing environments.

Ergonomic design

The reader's low profile and simple shape makes it ideal for integration with self-service kiosks, counters and eGates at airports and other locations such as railway and cruise terminals. Especially designed for self-service customers the "landing lights" LED feedback arrangement naturally encourages the correct placement and use of the reader, which leads to faster customer processing and reduced passenger frustration. The virtually flat top with new user instruction decals makes the reading area clearly visible when presenting a paper or cell phone boarding pass or passport.

iSeries Overview

The Intelligent "i" series readers include an embedded Arm® processor running Linux® meaning that for networked mode all the document processing is carried out on the reader. Ready for the cloud the AT10Ki OEM uses web style encrypted JSON messaging to simplify application development, deployment and maintenance.

Benefits

- Support for thin-client and mobile devices
- Enable Direct connection into the cloud
- Deploy multiple document readers as a pool/farm or multiple devices
- New web interface for device independence and enterprise architectures

Key features



ARM processor with SDK on-board



Ethernet & WiFi



Data and cyber security built-in with Secure Boot



Bluetooth for device management



Anti-glare technology



Hoodless operations

Fast, accurate data capture for many applications

The Thales intelligent iSeries readers are designed for today's connectivity environments where enterprise architectures and tablets are deployed to personalize your customer's visit.



Retail

- ID fraud and loss prevention for example in mobile phone stores, casinos and car rental agencies
- Checking rights to access services/buy products (eGov)



Financial Services

- New account enrolment for banks (KYC)
- ID verification for check cashing



Hospitality

- Check-in and visitor management
- Vendor and employee vetting



Government

- Quality assurance for ePassport issuance
- Travel document authentication for border control
- Breeder document verification for ID/DL issuance



Transportation

- Verify airline traveler ID & boarding pass at check-in, security check point and boarding gate
- Manifest creation

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IMAGING

Illumination	<ul style="list-style-type: none"> Near IR B900: 880nm, +/-5% White visible: 400-700nm Ultraviolet (UVA): 365nm
Resolution	<ul style="list-style-type: none"> High resolution: up to 700 DPI imaging Sensor: 10 Megapixels, CMOS, RGB 36 bit color
Formats	BMP, PNG or JPEG format
Auto-triggering of document capture	Yes
Anti-glare technology	Yes

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 (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
Contactless RFID	ISO 14443 (13.56MHz) Type-A and Type-B RFID eMRTD reader. All standardized rates, up/ to 848 Kbps, read-out times depend on RFID tag, operating system and amount of data stored in the chip

MECHANICAL

Dimensions	17.1 x 14.5 x 6.5 cm - 6.7 x 5.7 x 2.6 in
Weight	1.1 kg (2.4 lbs)
Glass	Low scratch, low iron glass

INTERFACES

Interfaces	<ul style="list-style-type: none"> Bluetooth® v2.1, v3.0 and v4.0 (classic/Low Energy) Ethernet10/100/1000 Mbps Ethernet to IEEE® 802.3 WiFi IEEE 802.11b/g/n standards up to 150Mbps with WPA/WPA2/WEP Typical programming languages include Swift™, Java, WebAssembly (for JavaScript), C# and C++
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ELECTRONICS

Power	<ul style="list-style-type: none"> Power over Ethernet or via universal input external power supply Power over Ethernet (POE): 36-48 V Universal input external power supply (100-240 VAC, 47-63 Hz)
USB mode operation Compatibility with core Reader SDK is provided through USB mode for users who want to manage a migration to networked operation	<ul style="list-style-type: none"> Compatible USB interface with AT10K reader using the same API interface provided by the Document Reader SDK Not possible to use USB mode and Networked mode concurrently In USB mode the on-board processing is not used For specifications of the AT10Ki USB mode please see the AT10K Technical Data Sheet and user manual In USB mode, device can be powered over USB 3.1
Minimum host specification in Networked Mode	<ul style="list-style-type: none"> Windows® 8.1, Windows® 10 or Windows® 11 operating systems, 32 or 64 bit Builds for Ubuntu and CentOS LTS, 32 & 64 bit iOS and macOS for iPhone and iPads, etc Android™ for mobile phones and tablets with network connectivity Java JVM
Processor	On-board dual core Arm® Cortex® A9 processor with Linux® OS

ENVIRONMENT

Temperature	Operating: -10° to 55° C (14° - 131° F); Storage: -20° to 55° 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	Two-year warranty - Extended warranty agreement available
Software upgrade	Upgradeable software via the Web-API over the network or locally using the browser interface

CERTIFICATIONS

FCC Part 15 Class A , CB report, UL UL-C, CE - RED, LVD & EMC, EU WEEE, REACH & RoHS