



ID DOCUMENT READERS

# AIR60U

## ePassport Reader

The **AIR60U ePassport Reader** is an ID document reader built for fast and reliable identity verification in space-limited environments. Its slim, modular design integrates **Optical Character Recognition (OCR)**, **RFID/NFC**, and **contact smart card** reading into a single device, enabling rapid capture of identity data from **ICAO DOC 9303**-compliant e-passports and ID cards.

An optional **QR code scanner** expands support for digital identity documents, making the AIR60U a versatile choice for a wide range of applications. With its compact size, and cost-efficient architecture, the AIR60U is well-suited for deployment in hotels, car rental counters, travel agencies, transportation terminals, and other high-throughput service environments.

By automating identity data capture, the AIR60U improves processing speed, reduces manual errors, and enhances customer experience — all while fitting seamlessly into kiosks, e-gates, or desktop setups.



### KEY FEATURES

- ✔ **Slim & Compact Design**
  - Lightweight and space-saving form factor
  - Ideal for desktop use in hotel reception, office and kiosks integration
- ✔ **Fast & Accurate OCR**
  - Captures MRZ data from passports/ID cards in under 1 second with up to 99.8% accuracy
- ✔ **High-Speed RFID Reading with Security**
  - Automatic detection and reading of ISO 14443 Type A/B e-passports (≤3 seconds)
  - Supports ICAO security protocols: BAC, PA
  - Upon request: PACE, AA, EAC
  - ISO 14443 Read/write speed up to 848 Kbps
- ✔ **Multi-Mode Identity Capture**
  - Combines OCR, RFID, contact card, and optional QR code technologies
  - Fully compliant with ICAO DOC 9303 standards for e-passports and ID cards.
- ✔ **Clear LED Indicators**
  - Bright LED lights show operational status and activity for intuitive user guidance
- ✔ **Flexible Connectivity & Integration**
  - USB Type-C interface
  - USB expansion port for peripheral devices
- ✔ **Cross-Platform & Developer Friendly**
  - Works with Windows® and Linux® systems
  - SDK available for integration

### Common Applications

- Hotel check-in
- Car Rental
- Tour Desk
- Self-service Kiosks



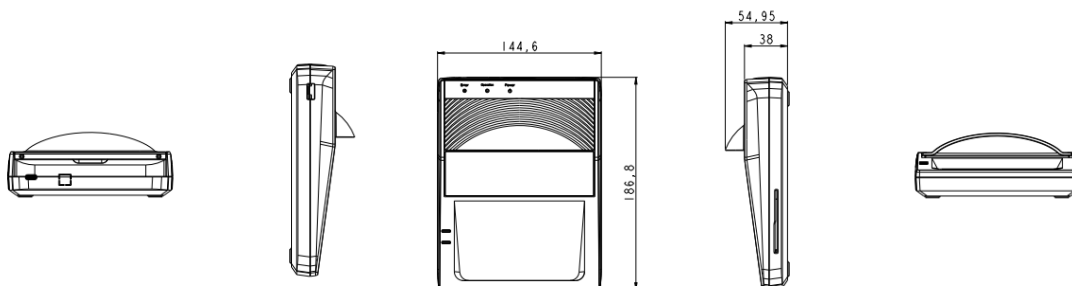


## TECHNICAL SPECIFICATION

MRZ Reading	
OCR Performance	≤ 1 sec, 99.8% accuracy
ePassport Reading	
NFC Performance	≤ 3 seconds (chip data, ICAO 9303 compliant)
Contactless Smart Card Interface	
Supported Card Types	ISO 14443 Type A & B Parts 1–4, ISO 15693, MIFARE®, FeliCa, NFC, etc.
Operating Frequency	13.56 MHz
Reading Distance	Up to 70 mm (depending on tag type)
Read/Write Speed	106 / 212 / 424 / 848 kbps (ISO 14443), 26 kbps (ISO 15693)
Other NFC Features	Keyboard Emulation, Card Emulation
Contact Smart Card Interface	
Number of Slots	1 full-sized card slot
Supported Card Types	ISO 7816 Class A, B, C (5V, 3V, 1.8V), memory cards, microprocessor cards (T=0, T=1)
Supply Current	Max. 60 mA
Read/Write Speed	13.4 kbps – 1,250 kbps
Clock Frequency	5 MHz, up to 10 MHz (upon request)
Card Insertion Cycles	Min. 300,000
SAM Card Interface	
Number of Slots	1 x ISO 7816 Class A (5V) Standard SIM size slot
Read/Write Speed	13.4 kbps – 1,250 kbps
Clock Frequency	5 MHz, up to 10 MHz (upon request)
Protocol	T=0, T=1
QR Code & Barcode	
1-D	Code 39, Code 128, UPC-A/E, EAN/JAN-8/13, Interleaved 2 of 5, NEC 2 of 5, Straight 2 of 5, IATA, etc.
2-D	PDF417, QR Code, Data Matrix, MaxiCode, Aztec, etc.

Physical Characteristics	
Dimension (L x W x H)	186.8 mm × 144.6 mm × 54.9 mm
Weight	358 g (AIR60U-A1) 372 g (AIR60U-A2)
USB Cable length	1 m (detachable)
Host Interface	
Protocol	USB
Connector Type	USB Type-C (power + data)
Speed	USB 2.0 full speed (12Mbps)
Supply Voltage	5VDC
Current Consumption	700mA (AIR60U-A1) 1A (AIR60U-A2)
Expansion Port	1 × USB Type-A
Firmware Upgrade	Supported
Peripherals	
LED	5 x LED as operation indicators
Buzzer	1 built-in buzzer
Operating Conditions	
Temperature	–10°C to +50°C
Humidity	Max. 95% (non-condensing)
Compliances	
Standards	ICAO DOC 9303, USB CCID, PC/SC
Regulatory / Environmental	CE, FCC, RoHS, REACH
Library & Tool	
Library	CT-API
Tool	Software Development Kit
Supported OS	
OS	Windows®, Linux®
Model/Part Number	
Without QR Code scanner	AIR60U-A1
With QR Code scanner	AIR60U-A2

## MECHANICAL SPECIFICATION



Unit: mm

### About ACS

Advanced Card Systems Ltd. (ACS), founded in 1995, is Asia Pacific's top supplier and one of the world's top 3 suppliers of PC-linked smart card readers. ACS is the winner of the Product Quality Leadership Award for Smart Card Readers from Frost & Sullivan. ACS was listed in Forbes Asia's "Best Under a Billion" list for several years, an inter-industry list comprised of 200 top-performing publicly listed companies in the Asia-Pacific, with sales between US\$5 million and US\$1 billion. ACS develops a wide range of high-quality smart card reading/writing devices, smart cards and related products and distributes them to over 100 countries worldwide.

Click [here](#) for Sales Enquiry

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