

HF | NFC - Stationary Reader **ACS - AIR60U**

- ISO 14443 A/B, ISO 15693
- ICAO DOC 9303 compliant for ePassports & ID cards
- Fast OCR & MRZ capture
- USB Type-C & USB expansion port
- Firmware upgradeable



HF | NFC - Desktop Reader Interactive Standalone Terminal

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.

Common Applications

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



TECHNICAL SPECIFICATIONS

MRZ Reading

OCR Performance	≤1 sec, 99.8% accuracy
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ePassport Reading

NFC Performance	≤3 seconds (chip data, ICAO 9303 compliant)
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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
OS	Windows®, Linux®