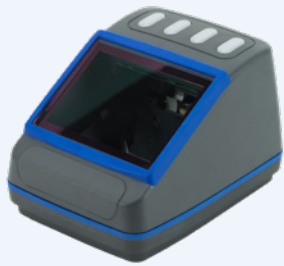


# ATR110

## 2D Barcode Reader With NFC Option



### COMPACT AND FAST

The ATR110 is a barcode reader with optional NFC contactless capabilities is a 'one-box' solution that helps process a wide range of electronic ticketing across a variety of media. The device is designed to read all popular linear, PDF417 and 2D barcode symbologies, including QR and Aztec codes, from smartphones, tablets and printed paper documents. The ATR110's advanced recognition barcode imager is omnidirectional and has near-zero latency. It captures barcodes within a fraction of a second of presentation in any orientation.

### MOBILE TICKETING

As an option, the device will also support mobile ticketing and mobile wallet payment systems for NFC-enabled smartphones and tablets, as well as reading smartcards, credit cards and debit cards.

### INTUITIVE TO USE

Designed to be operated by untrained members of the public, the ATR110 offers user-friendly features including bright LED visual indicators and a programmable audio buzzer to confirm successful data capture. Its rugged, vibration and shock resistant construction, with no moving parts, enables the reader to withstand years of frontline, public use.

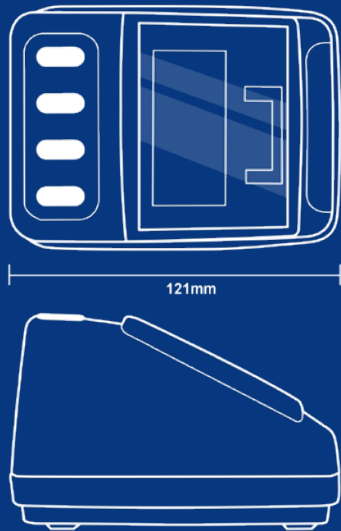
### APPLICATIONS

- On-board Ticketing incl. buses, trams & ferries
- Automatic gate and turnstile entry
- Payment via virtual storecard & storage of eReceipts
- Self-service kiosks
- Real-time, customised marketing promotions
- Airport check-in, security lanes and boarding gates
- Loyalty programmes

### FEATURES:

- Reads From Any Media - Reads 2D, PDF417 and linear symbologies from any media
- Interface Options - RS232 and USB (custom HID, keyboard or communication device class serial)
- Simple Software Upgrades - FLASH upgradeable software
- User Feedback - Configurable LEDs (front, rear or both) and audible read confirmation
- Popular Contactless Cards - NFC mobile ticketing and payment works with Mifare® (Classic®, Ultralight®), DESfire® and Calypso®
- Simple Integration - Options for desktop, console, pole-mount and fixed-position kiosk installation

# ATR110



## FEATURES

### Connection Types

- USB\*
- RS232\*

### Technology

- NFC/RFID\*
- QR/Barcode

\* Optional

## ATR110

READING CAPABILITIES	
<b>Barcode Symbolologies Read</b>	Linear: EAN, UPC, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39, Code 128 2D: IATA resolution 792, PDF417, Aztec, DataMatrix and QR codes Media types: Will read: smartphone, tablet and smartwatch displays and paper documents and tickets. Interface options: Non-NFC version can be single cable USB or Serial
<b>Contactless Reader</b>	Supported media: ISO14443 type A and B cards (Java cards); max baud 424K (extendable to 848K) Mifare UL, Classic 1K, Classic 4K, UL-C, Mifare Plus; max baud 106K Operating frequency: 13.56 MHz Operating distance: 20 mm PSAMs: 4 PSAMs; to be accessed via removable panel on underside of unit
ELECTRONIC	
<b>Power Supply</b>	Via ext. 5v PSU Current: Barcode Only: 480mA Peak, 300mA Standby Current: Barcode & NFC: 650mA Peak, 500mA Standby
<b>Current</b>	Barcode Only: 480mA Peak, 300mA Standby Barcode & NFC: 650mA Peak, 500mA Standby
PHYSICAL	
<b>Dimensions</b>	4 x 5 x 3 in (96 x 121 x 81 mm)
<b>Weight</b>	1 lbs. (443g Without NFC); 1 lbs. 3 oz. (573g With NFC) incl. cables
<b>Colour</b>	Dark Grey
<b>Glass</b>	3mm thermally toughened low-iron Conturan IK07 (3 times 2J impact) - Anti-Reflective coating
<b>Buzzer</b>	Loud (75dBa at 1m); volume controllable (config setting – can be adjusted by customer)
<b>Indicator LEDs</b>	4 colours (green/amber/red/blue)
<b>LED position</b>	Front, rear or both
<b>MTBF</b>	85,000 hours
<b>Mounting options</b>	Horizontal, vertical and pole
<b>Vibration</b>	Random vibration using table 2 from ETSI EN 300 019-2-5 V3 2002
<b>Shock</b>	3 x 30g 6ms half sine shocks in each direction of each axis carried out in accordance with ETSI EN 300 019-2-5 V3 2002, BS EN 60068-2-64:2008
<b>Bump</b>	100 x 10g 11ms half sine bumps in each direction of each axis carried out in accordance with ETSI EN 300 019-2-5 V3 2002, BS EN 60068-2-64:2008
<b>Ingress</b>	IP54
THERMAL (AIR)	
<b>Temperature</b>	Operating -13°F to 122°F (-25°C to 50°C)
<b>Storage</b>	-22°F to 158°F (-30°C to 70°C)
<b>Humidity</b>	95% RH, non-condensing
APPROVALS	
FCC 47CFR Part 15 Subpart B Class A, EN 55022 Class B, EN 55024, FCC 47CFR Part 15 Subpart C, ETSI EN 302 291, EN 60950-1	

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