

TripTick® ATR210 Barcode & RFID/NFC Reader

State-of-the-art 1D/2D barcode and NFC/RFID reader designed to read tickets from any media and in any orientation.

The state-of-the-art TripTick® reader is one of a series of readers and is designed to read NFC/RFID tokens & 1D/2D barcodes from phones, tablets, wearables and paper in any orientation.

TripTick offers integrators the ultimate no-nonsense installation. Its small footprint, low profile design enables easy integration into kiosks, ticket machines, turnstiles and gates. Furthermore, its rugged water-resistant construction with no moving parts, enables it to withstand years of indoor & outdoor public access use.

An option for Power over Ethernet (PoE) allows installation without a dedicated power supply. The device is also capable of RS422 connection at up to 1500m.

TripTick retains the key aspects of the size and shape of the proven LSR116 and LSR118 products, however its design delivers a significantly increased active scan area to improve even further, its barcode reading performance.

The ATR210 features NFC/RFID to offer an especially intuitive and quick interface for data reading and writing. TripTick works with all popular contactless cards – including Mifare® (Classic®, Ultralight®, DESfire®, Plus), ISO14443 Type A & Type B cards, mobile phones in HCE mode.



Features

- Reads barcodes & NFC devices from a single point of presentation
- Low profile design: Only 36.9mm (51.2mm with PoE/SAM housing)
- Front face sealed for integration into indoor or outdoor kiosks, podiums and gates
- Reads 2D, PDF417 and linear barcode symbologies
- USB (HID, serial or keyboard), RS232, RS485, Ethernet interface options
- Option for Power over Ethernet (PoE)
- Access UltraGlass® option for extreme environments.



Applications

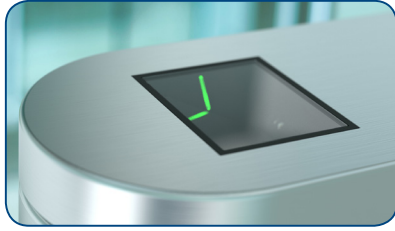
- Self-service kiosks and ticket vending machines
- Access control gates and turnstiles for stadia, building access and transportation
- Retail voucher redemption and loyalty cards
- Car park ticket machines and automatic barriers
- Casino and TITO gaming machines.



Options

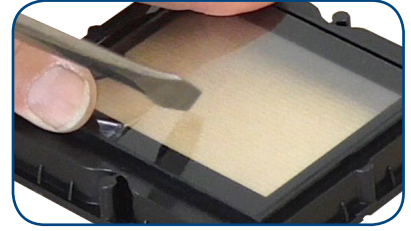
Flush Bezel

The flush bezel option means that when installed, the reader is completely flush with the surface around it, allowing a smooth and fluid movement across the reader regardless of the media.



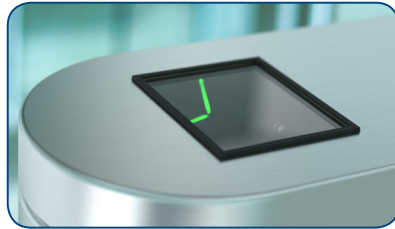
Access UltraGlass®

For environments with highly abrasive elements, such as sand and grit, our innovative UltraGlass will significantly enhance scratch-resistance.



Raised Bezel

A raised bezel can be specified to provide a 2mm raised lip above the glass. A raised lip can help direct users to the active area of the reader.



SAM (Secure Access Modules)

Install up to four SAM modules within the device to enhance security within electronic payment systems.



Specifications

Barcode symbologies read

Linear: EAN, UPC, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39, Code 128

2D: PDF417, Aztec, DataMatrix and QR codes

Media types read: Smartphone/tablet/smartwatch displays & paper tickets

Contactless reader

Supported media: ISO14443 type A and B cards (Java cards); max baud 424K (extendable to 848K)

Mifare Ultralight (UL-C, UL-EV1), Mifare DESFire, Mifare Plus, Mifare Classic, Mifare SmartMX

Operating frequency: 13.56 MHz

Operating distance: 40 mm

Interface

USB composite device, with:

- HID, CDC Serial or Keyboard interface for barcode reading

- CCID PC/SC interface for NFC

Serial device, with barcode, NFC reader as separate devices (RS232/RS422/RS485)

- Ethernet

- PoE (Power Over Ethernet)

Mechanical/electrical

Dimensions: (LxWxH)
103.1 x 106.3 x 36.9 mm (*Flush bezel & without SAM option*)

Weight: 250g (*Without SAM option*)

Power:

Via ext. 5v PSU

Body: Black ABS

Glass: 4mm Toughened White Soda

Lime; BS EN60068-2-75 & IEC 62262:2002, rated to 3.5J impact

MTBF: 250,000 hours

Environmental

Temperature:

Operating -20°C to +50°C

Storage -30°C to +80°C

Humidity: 95% RH, non-condensing

Approvals

EMC Approvals: FCC 47CFR Part 15 Subpart B Class B, EN 55032 Class B, EN 55024

Radio: FCC Part 15 Subpart C, CE: EN 301 489-1 v1.8.1 (2008-04), CE: EN 302 291-1 v1.1.1 (2005-07)

Safety: IEC 62471: 2006
EN 60950-1:2006+A12:2011

Ingress: Front Face ONLY - IP67 certified to BS EN 60529:1992

All trademarks acknowledged. Specifications subject to change without prior notice. This literature is for outline information only.

Ver: 1.3 Feb 2019



Worldwide: +44 (0) 118 966 3333
Americas: +1 770-645-2771



Worldwide: +44 (0) 118 966 3333
Americas: +1 703-403-6848



Worldwide: +44 (0) 118 966 3333
Americas: +1 484 258 1359



email: sales@access-is.com
18 Suttons Business Park • Reading • RG6 1AZ • UK