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.

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.

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

SAM (Secure Access Modules)
Install up to four SAM modules within the device to enhance security within electronic payment systems.

Specifications

Barcode symbologies read
- 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: -20C 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
- Safety: IEC 62471: 2006
- Ingress: Front Face Only - IP67 certified to BS EN 60529:1992

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