

TripTick® ATR220

Barcode, RFID/NFC & cEMV Payment Device

State-of-the-art 1D/2D barcode and NFC/RFID reader with added EMV Level 2 certification for contactless payments applications.

The state-of-the-art TripTick® reader is one of a series of readers and is designed to for contactless payments as well as reading NFC/RFID tokens & 1D/2D barcodes from any media.

TripTick offers integrators the ultimate no-nonsense installation. Its small footprint, low profile slot-in design enables easy integration into kiosks, ticket machines, turnstiles and access gates. Furthermore, its rugged water-resistant construction with no moving parts, enables it to withstand years of indoor and 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 ATR220 builds on the ATR210's NFC capability and adds EMV Level 2 certification, allowing for applications where contactless payments are required. It offers PCI and SRED compliance for contactless payments using VISA, MasterCard, AMEX and Discover payment schemes.



Key Features

- Integrated EMV L2 Payment Kernels with Level 2 Certification (VISA, MasterCard, AMEX, Discover)
- PCI SRED - V5.0
- Configurable payment terminal settings including currency, max limit etc.



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



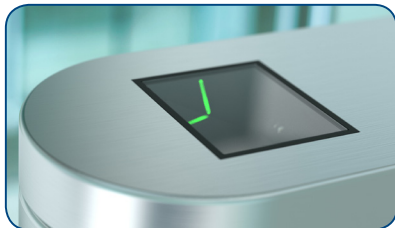
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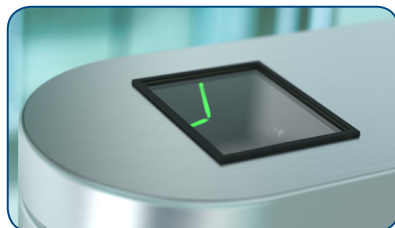
Flush Bezel

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.



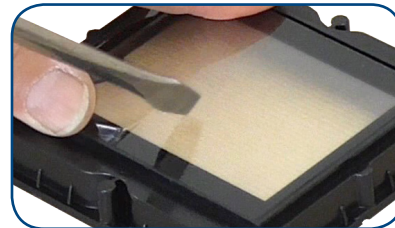
Raised Bezel

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

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

Contactless payments

Integrated EMV L2 Payment Kernels with Level 2 Certification (VISA, MasterCard, AMEX, Discover)

PCI SRED - V5.0

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

Payment: EMV-L1, EMV-L2, PCI, TQM

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

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