# Access IS

**TICKET READERS**

# ATR220 - TripTick®
Barcode, NFC & cEMV Reader

## Any Ticket...One Reader

The state-of-the-art TripTick® reader series includes options for: barcode reading, NFC/RFID and barcode reading, and contactless EMV payments, NFC/RFID and barcode reading.

The ATR220 offers 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 schemes. In addition, it also offers the reading of 1D/2D barcodes and RFID/NFC tickets and tokens from mobile phones, tablets, wearables, contactless cards and paper in any orientation.

## No-Nonsense Installation

TripTick offers operators 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.

## Power Over Ethernet

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.

## Proven Heritage

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

TripTick's optimised imaging ensures read reliability and high-speed performance; capturing and decoding all popular linear, PDF417 and 2D symbologies.

## Features

**Contactless Payments**
Works with all popular contactless cards & is cEMV - L2 Certified (VISA, AMEX, Discover, MasterCard) & PCI SRED - V5.0

**Barcode Reading**
Reads 2D, PDF417 and linear symbologies

**IP67 Sealed**
Front face sealed for integration into indoor/outdoor kiosks, podiums & gates

**Low Profile & Simple Installation**
Only 36.9mm high with single cable connection to host

**Connection Options**
USB (HID, serial or keyboard), RS232, RS485, Ethernet interface options

**Power over Ethernet**
Option for Power over Ethernet (PoE)

**UltraGlass®**
Uprated glass option for extreme environments

## Applications

- Ticket validation for public transport, car parking, stadia and events
- Financial and other self-service kiosks
- Retail POS terminals
- Casino & TITO gaming machines

## 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

Size (WxDxH): 106.3 x 103.1 x 36.9mm (Without SAM option)

Weight: 250g (Without SAM option)

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

## Power Supply

Via ext. 5v PSU

## Environmental

Temperature:

Operating: -20°C to 60°C

Storage: -30°C to 80°C

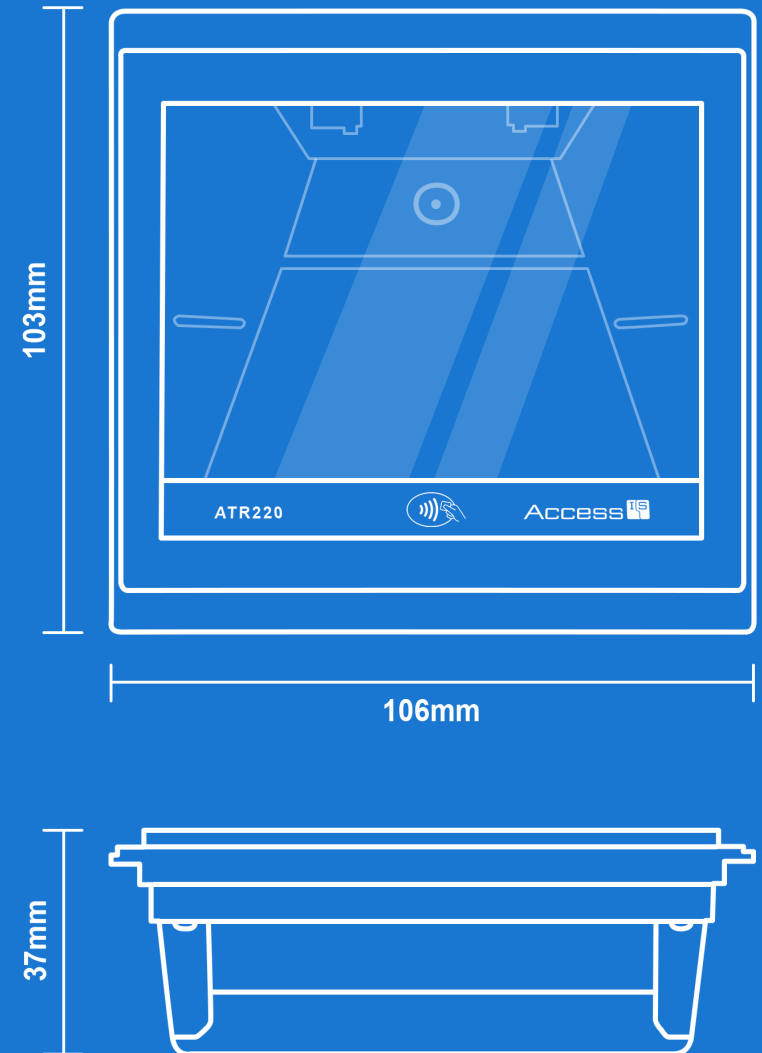Humidity: 95% RH, non-condensing

## Approvals

EMC Approvals: FCC 47CFR Part 15 Subpart B Class A, 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



103mm
106mm
37mm

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## Get In Touch