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
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.

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

Contactless payments
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- 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
- Ingress: Front Face ONLY - IP67 certified to BS EN 60529:1992
- Payment: EMV-L1, EMV-L2, PCI, TQM

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

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Flush Bezel
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