



# MTX Reader

**Multi-Technology Reader  
supports up to 186\* card technologies with  
Wiegand output  
125kHz, 134kHz & 13.56MHz  
simultaneously reads various RFID cards**



## **What This Means For Customers**

**From a user perspective, supporting multiple card technologies simultaneously means the MTX simplifies one of the major challenges in any technology upgrade project, the ability to use existing cards, deploy multi-technology cards, and transition to new smart card technology without having to change the access control system and card holder database.**

With more than 20 years experience in the design, manufacture and sales of electronic access control, environmental and security management systems, Axxess Identification are well-known for their innovative approach.

The **MTX** (Multi Technology) reader is the most versatile access control reader on the market, offering a complete card management upgrade solution. Using a combination of low frequency and new, high frequency technologies, including 125 kHz as well as the latest RFID and encryption prox. Supporting 186 card technologies over 3 frequencies, the MTX reader supports both old and new simultaneously in a single unit offering the security and simplicity that customers expect from Axxess Identification.

Typically, any installations with multiple or multi-national facilities with mixed technology cards are excellent candidates for a multi-technology reader.

### Common Supported Card Formats

13.5Mhz, 125Khz & 134Khz SIM, Mifare®, DESFire™ 128 Bit Encrypted, Mifare®, Sector/CSN (UID) 4 Bytes & 7 Bytes, HID™ 125Khz & iClass, Nedap, Tag-It™, NFC, CoTag, FeliCa™ Hitag 1 / 2 / S CSN, Temic & EM, AWID, CASI-RUSCO, Cota, EM4100, EM4102, EM4200, EM4150, EM4305, FDX-B, G-Prox, HID™ DuoProx II (1336), HID™ ISO Prox II (1386), HID™ Micro Prox (1391), HID™ ProxKey III (1346), HID™ Prox, HID™ Prox II (1326), HITAG 1, HITAG 2, HITAG S, Indala, io Prox, Keri, Miro, NexWatch, Pyramid, Q5, T5557, T5567, TIRIS/HDX, TITAN, UNIQUE, ZODIAC ISO14443A (MIFARE Classic, MIFARE® Mini, MIFARE® Desfire EV1, MIFARE® Plus S,X, MIFARE® Pro X, MIFARE® Smart MX, MIFARE® Ultralight, MIFARE® Ultralight C, SLE44R35, SLE66Rxx (my-d move), LEGIC Prime, LEGIC Advant, PayPass, PicoPass), ISO14443B (Calypso, CEPAS, Moneo, PicoPass, SRI512, SRT512, SRI4K, SR1X4K), ISO18092/ECMA-340 (Sony Felica, NFC Forum Tag 1-4, NFC Peer-to-Peer), ISO15693 (EM4x33, EM4x35, HID™ iCLASS, HID™ iCLASS SE/SR, ICODE SLI, M24LR16/64, MB89R118/119, Tag-it, SRF55Vxx (my-d vicinity)

\* Subject to format set up and card technologies used

### Product Features

- Simultaneously reads 186\* existing access control cards like Paxton, HID™, TDSI, PAC etc.
- High Security
- Weather-proof, fully encapsulated version
- 50 Bit Wiegand interface as standard with other formats available (also available Clock & Data, RS232, USB)
- Tamper Alarm as Wiegand
- Upgradable firmware to add new technologies
- Automatic changeover to two-way communication when connected to AX controllers

### Technical Data

#### Cable Connections:

Reader supplied with 2 metre (6.5ft) - 6 core screened cable

Red—+12VDC Supply  
Black—0VDC Ground  
Green—Data 0  
White—Data 1  
Yellow—Buzzer  
Blue—LED

**Cable Distance:** Maximum of 50 metres (165ft)

**Cable Gauge:** 22AWG

**Material:** Powder-coated metal with ABS

**Supply Voltage:** +12VDC

#### LED and Buzzer Control Inputs:

0 to +5VDC maximum

**Operating Temp:** -25°C to +80°C

#### Current Consumption:

160mA at +12VDC

**IP Rating:** IP68-Potted version (excluding buzzer)

IP50-None Potted

**Dimensions:** 74 x 133 x 32mm (2.91 x 5.24 x 1.26")

**Colours:** BK—Black—other colours available upon request—subject to minimum order quantities

**Fixing Kit:** Rawl plugs, installation screws

**Part Numbers:** 105-257 (standard version)

105-257-EX (potted version)

### Warranty Period

The equipment is guaranteed against defects in materials and workmanship for 2 years from date of shipment (see warranty policy for details). Due to continued research, development and product enhancements, the information contained in this publication is subject to change without notice.



27-28 Shrivenham Hundred Business Park, Watchfield, Swindon,  
Wiltshire SN6 8TZ United Kingdom  
Tel: +44 (0)1793 784002  
Fax: +44 (0)1793 784005  
Email: [info@axxessid.com](mailto:info@axxessid.com)  
Website: [www.axxessid.com](http://www.axxessid.com)



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