

FUSION Prox Smart Card Reader

FUSION Proximity Smart Card Reader combines intelligent technology with stylish designs to deliver enhanced security, in networked access control systems.

Borer readers are developed with a full online and offline card validation, with decision making at the point of entry.

Contactless technology featuring support for open standards (ISO 14443A/B MIFARE® AND ISO 15693 DESFire®), where a single card can be used for a wide range of applications.

FUSION Prox Readers are fully encapsulated, and suitable for indoor or outdoor installations.

Applications

Suitable for use in the following applications:

- Banking
- Travel Cards
- Cashless Vending
- Access Control
- Attendance Recording



Features

- **Dual Database of Cardholders and Access Rights** held at every reader, allowing fall back to the last known good database in the event of a data corruption or network interruption during database download
- **Large Database** with a capacity of up to 120,000 card holders/transactions
- **Secure Database**, cardholder details are fully encrypted to prevent manipulation or misuse of data
- **Two bi-colour LED's and polyphonic sounder** gives clear feedback when a card is presented
- **Works with PoE technology** which delivers power and data over a single CAT5e/6 cable
- **Water Resistant IP Rate Durability** and construction materials
- **Firmware Upgrade via the Network**, for new releases with enhanced security, new features and new technology implementation
- **Polycarbonate Enclosure** for added protection and durability
- **Full Audit Trail of Offline Activity** held in reader memory

Benefits

- **Developed using 'Clean Design' principles** to reduce component count and energy consumption
- **'Plug and Play' Connection** makes for faster installation and commissioning
- **Distributed Intelligence** allows decisions to be made at the point of access when the network fails
- **User Programmable Open Format MIFARE® DESFire® and NFC cards and keyfobs** which, unlike systems that use proprietary and exclusive formats, eliminates single supplier dependence and benefits the user with lower cost for replacement cards
- **Future Proof** - firmware updates can be automatically downloaded to the reader over the LAN enabling new smart card standards to be supported when they are introduced

FUSION Prox Smart Card Reader

Technical Specifications

Installation	Borer access control readers for wall mounting
Colour	Black
Power Supply	60mA quiescent, 90mA peak @ 12v DC
Dimensions/Weight	110 x 42 x 15 mm / 115g
Installation Range	Potted with rubber compound suitable for both indoor and outdoor installation
Reader Status/ Cable Termination	Polyphonic tones, Two bi-colour LED's and tamper optical sensor 300mm pigtail - 4 Wire (2 Data 2 Power)
Data Retention without Power	10 Years
Network Interface	Controller Area Network (CAN), ISO 11898 standard for serial data communications
Cable Type	CAT5e/6 Cable, Maximum Cable Length 300m from Midspan Bridge/Lock Manager
Transmission Protocol	CSMA-CA (Carrier Sense Multiple Access with Collision Avoidance)
Operating Temperature Range	-25 to 60 degrees C (-13 to 140 degrees F)
Read Range	Up to 80mm; Range may vary with MIFARE® token type and installed environment
Smart Card Technology	MIFARE® (13.56mHz), DESFire® & NFC Cards ISO 14443A, ISO 14443B, and ISO 15693

Related Products

MIFARE® USB Card Enrolment Reader 04-306



DESFire® USB Smart Card Encoder 04-303



Ethernet Lock Manager 04-154



Two Door Lock Manager 04-413



DESFire® Card 07-275



Hitag Proximity Tag 07-251

