

# The benefits of a DESFire solution.

DESFire credentials are available with ICT's EV1 and EV2 smart cards, transmitters, and key tags. **But why choose DESFire?**

Because not all credentials are created equally. The main benefits that come from DESFire is that it's highly secure and a one-card solution, no matter what models your sites have.

- > AES-128 encryption means it would take a super-computer 2.6 trillion years to crack the code unlike proximity devices which can be hacked and cloned in under a minute
- > Shorter read range means the device must be firmly presented to the reader meaning data theft is less likely
- > Independent applications that are each secured by their own encryption key means one device can be recognized by multiple readers, including hardwired, wireless, and third-party models
- > Dual technology DESFire cards incorporate both high and low frequency card inlays, so they work with legacy readers, allowing you to slowly migrate to a modern ICT solution

## Key features.

- > Secure, high-speed command set
- > Unique 7-byte serial number
- > AES-128 cryptographic algorithm
- > Photo ID compatible\*
- > Graphic printable with flexible design options\*
- > Long life and durability
- > Ideal migration solution

\*Only available with the smart cards

## Target applications.

- > School and university campuses
- > Office buildings
- > Residential and mixed-use facilities
- > Commercial environments such as warehouses or laboratories
- > Commercial and residential parking access

## Available DESFire devices.

### DESFire Cards.

- > **PRX-ISO-DF-EV1-2K:** DESFire EV1 2K ISO CR80 Card
- > **PRX-ISO-DF-EV1-2K-LF:** DESFire EV1 2K 125kHz ISO CR80 Card
- > **PRX-ISO-DF-EV1-LT:** DESFire EV1 256B ISO CR80 Card
- > **PRX-ISO-DF-EV2-2K:** DESFire EV2 2K ISO CR80 Card
- > **PRX-ISO-DF-EV2-2K-LF:** DESFire EV2 2K 125kHz ISO CR80 Card
- > **PRX-ISO-DF-EV2-4K:** DESFire EV2 4K ISO CR80 Card

### DESFire Tags.

- > **PRX-TAG-DF-EV2-2K-B:** MIFARE DESFire EV2 2K ABS Key Tag Black
- > **PRX-TAG-DF-EV2-4K-B:** MIFARE DESFire EV2 4K ABS Key Tag Black

### DESFire Transmitters.

There are 2 styles of transmitters, which can be encoded with a DESFire credential:

- > **RF-REM2-433-DF:** Remote 2 Button (433MHz) DESFire EV2
- > **RF-REM4-433-DF:** Remote 4 Button (433MHz) DESFire EV2