

FlexSmart® Series Credentials

DESFire® Adhesive Tag • I455

- ▶ **Cost Effective** - The benefits of contactless smart cards without the cost of rebadging.
- ▶ **Convenient** - Easy attachment to ID card or other non-metallic device.
- ▶ **Quality** - Tag is protected with a lifetime warranty.



ACCESS interoperability.

HID's innovative FlexSmart DESFire Adhesive Tag can turn a plastic ID badge into a contactless smart credential. Effortlessly upgrade from magstripe or barium ferrite technology, or add DESFire to your contact smart card, by simply attaching the small, circular DESFire Adhesive Tag to your existing card. The DESFire Adhesive Tag will also adhere to any non-metallic device, such as a cell phone or PDA, to instantly create a contactless smart credential.

HID FlexSmart DESFire Adhesive Tag is ideal for diverse applications such as access control, cashless vending, public transportation, corporate and campus applications, ticketing and customer loyalty.

HID DESFire credentials have 4 KB of dynamic memory arranged in easy-to-define application folders and data files. DESFire data can be encrypted with the highly secure Data Encryption Standard (3DES) algorithm providing the confidence that data in the card is secure before, during and after the transaction, as well as between folders and files within the credential itself.

Key Features

- ▶ **High Security** - DESFire technology includes mutual authentication, DES and triple-DES data encryption and unique 56-bit serial number.
- ▶ **Fast Processing and Data Communication** - Transaction times are less than 100 milliseconds for a typical secure ticketing transaction.
- ▶ **Upgrade Tool** - Provides the security of DESFire contactless read/write technology in a small, disk-shaped package.

Features

Long Life The passive, no-battery design allows for 100,000 read/write operations and carries a lifetime warranty.

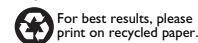
Durability Strong, flexible and resistant to damage.

Read/Write Functionality
Perfect for multi-functional memory applications.

Dimensions	1.285" dia x .07" (3.26 cm dia x .18 cm)
Weight	0.04 oz. (1.2 g)
Typical Maximum Read Range*	Up to 2" (5.0 cm)
Operating Temperature	-40 to 149°F (-40 to 65°C)
Operating Humidity	5%-95% Non-condensing
Operating Frequency	13.56 MHz
RF Interface	ISO 14443 A, Parts 1-4
Transaction Time	< 100 ms
Baud Rate	106,212 or 424 kbps
Memory Type	EEPROM, 4 Kbytes (32,768 bits)
Multi-Application Memory	Dynamic Memory structure, up to 28 applications
Write Endurance	100,000 cycles min.
Data Retention	10 years min.
Material and Finish	Matte White Lexan with Adhesive Back
Card Marking	Inkjet
Custom Graphics	Optional
Slot Punch	Not Applicable
Programming	Factory or Field Programmable
Part Number	Model I455 FlexSmart DESFire Tag
Description	Self-Adhesive DESFire Tag
Warranty	Lifetime - see Sales Policy for complete details

*Dependent on local installation conditions.

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MKT-DESFIRE-TAG-DS-EN



ACCESS experience.

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