DC1-1
CLAMSHELL
SMARTCARD

DOORS   PARKING   TURNSTILES

Delta® Contactless Smartcard

Frequency: 13.56 MHz
Read Range: Up to 3 inches (76 mm)

MIFARE® DESFire® EV1 Support
High-Security Encryption Technology

MAXSecure™
Unique Security Feature

ValidID™
Fraudulent Data Detection Solution
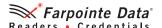
Warranty
Lifetime Warranty

Wiegand
Output Interface

Slot-Punch
Standard Vertical Slot

Contactless
Up to 3 in (76 mm)

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Delta comprises Farpointe Data's 13.56 MHz line of contactless smartcard readers, cards, and tags. Based upon proven MIFARE® contactless digital radio frequency identification (RFID) technology, Delta readers interface with a wide range of electronic access control systems by complying with the Wiegand communication protocol. They offer value-add features such as MAXSecure™ and ValidID™, and now optional MIFARE® DESFire® EV1 application support. Additionally, Delta cards and tags are passive devices, eliminate maintenance by requiring no battery, and can be ordered programmed to various formats and encryption keys.

Specifications	DC1-1
Technology	Smartcard
Frequency	Excitation (13.56 MHz)
Operation	Passive (no battery)
Type	Clamshell card
Formats	Wiegand (26-bit and custom formats) and ABA Track II magnetic stripe (clock and data)
Material	ABS
Color	Off-white
Slot Punch	Standard, vertical slot
Marking[1]	Date code and ID
Imaging[2]	Use a glossy adhesive overlay for color dye sublimation printing or print directly on card
Read Range[3]	Up to 3 inches (76 mm)
Outputs[4]	CSN, Sector and Application
Options[5]	Custom printing of company logos, URL, telephone number, and more
Warranty	Limited lifetime warranty
OEM Label Area Dimensions	0.11" W × 0.25" H (2.8 mm × 6.3 mm) with corner radius of 0.63" (16 mm)
Dimensions	2.2" W × 3.4" H × .06" D (56 mm × 86 mm × 1.5 mm)
Weight	0.3 oz (9 g)
Operating Temperature	−35° F to 122° F (−37° C to +50° C)
Humidity	0–95% non-condensing
Memory	1K memory standard[6]
ISO Standards	Technology: ISO 14443
Technologies Supported	MIFARE® Classic or MIFARE® DESFire® EV1 (128-bit AES encryption)

NOTES:

1   Matching internal and external sequential coding standard. Custom printing available.
2   Please verify that the printer (or overlay) supports credential type/thickness.
3   Tested with 12 VDC @ Delta5 reader. Reference Card Read Range Document for additional read range information.
4   CSN = Card Serial Number. Sector = access control data, such as format, facility code, and ID.
    Application = Typical directory structure of up to 28 applications, with up to 32 files per application.
5   Contact Farpointe to learn how you can customize your cards and tags.
6   Other memory sizes available.

Farpointe Data reserves the right to change specifications without notice.