

# DC1-1/DC4-1

13.56 MHz Clamshell Smartcard

Delta® Smartcard Technology  
Data Sheet



**Application** - Ideal for access control applications such as door access.

**Compatible** - Can be encoded with 26-bit Wiegand, custom Wiegand or magnetic stripe formats.

**Industry Friendly** - Outputs CSN reads, Sector reads and can be ordered with custom encryption keys.

**Convenience** - Pre-punched slot makes it ideal to carry on a lanyard or badge holder.

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 support sector or CSN reads. 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.

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 **Farpointe Data**®  
Readers  Credentials

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## Features and Specifications:

**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)

**OEM Label Area Dimensions:** 0.11 x 0.25 inch (2.9 x 6.6 mm), with corner radius of 0.63 inch (6.6 mm)

**Dimensions (HxWxD):** 3.4 x 2.2 x 0.06 inches (86 x 55 x 1.5 mm)

**Operating Temperature:** -35° F to 122° F (-35° C to +50° C)

**Material:** ABS

**Weight:** 0.3 oz. (9g)

**Color:** Off-white

**Humidity:** 0-95% non-condensing

**Slot Punch<sup>1</sup>:** Standard, vertical slot

**Marking<sup>2</sup>:** Date code and ID

**Imaging<sup>3</sup>:** Use a glossy adhesive overlay for color dye sublimation printing or print directly on card

**Warranty:** Limited lifetime warranty

**Read Range<sup>5</sup>:** Up to 3 inches (76 mm)

**Options<sup>4</sup>:** Custom printing of company logos, URL, telephone number and more

**Outputs<sup>6</sup>:** CSN and Sector

**Memory:** **DC1-1:** 1K memory  
**DC4-1:** 4K memory

**ISO Standards:** Technology: ISO 14443  
Size: N/A

<sup>1</sup> Models DM1-3, DM4-3, DM1-3S and DM4-3S may be ordered pre-punched with horizontal/vertical slots. Contact Farpointe or your supplier for more information.

<sup>2</sup> Matching internal and external sequential coding standard. Custom printing available.

<sup>3</sup> Please verify that the printer (or overlay) supports credential type/thickness.

<sup>4</sup> Contact Farpointe to learn how you can customize your cards and tags.

<sup>5</sup> Tested with 12VDC @ Delta5 reader. Reference Card Read Range Document for additional read range information.

<sup>6</sup> CSN = Card Serial Number. Sector = access control data, such as format, facility code and ID.

Farpointe Data reserves the right to change specifications without notice.