



Farpointe Data[®] Readers • Credentials

High Security and Bluetooth Readers and Credentials



FEATURES

- ▶ Enhanced smartcard encryption and optional DESFire[®] EV1 support
- ▶ Supports industry standard interfaces
- ▶ Based upon the world-standard MIFARE[®] technology, ideal for ISO14443 applications
- ▶ Installs indoors or outdoors
- ▶ Lifetime warranty on ALL readers

Reader

- ▶ Compatible with all DMP Panels
- ▶ Easily interfaces with DMP 7073, 7073A, 7173, or 7800 Series Graphic Touchscreen Keypads, and 734, 734N, or 734N-Wi-Fi Wiegand Interface Modules
- ▶ Weatherized enclosures for indoor and outdoor applications
- ▶ Mounts directly on metal enclosures without a drop in performance
- ▶ Built-in self-test routine at start-up to verify reader operation
- ▶ Indicator LED for card read verification
- ▶ Low power consumption
- ▶ Compatible with Wiegand and magnetic stripe protocols for easy integration with standard access systems

- ▶ Supports MIFARE[®] technology, a leading industry standard for contactless smartcards

Credential

- ▶ Powerful 128-bit Advanced Encryption Standard (AES)
- ▶ 2K-byte memory size for the greatest encryption
- ▶ Unaffected by body shielding or environmental conditions
- ▶ Strong and flexible for resistance to cracking and breaking

Conekt™ Mobile-Ready Reader

- ▶ Uses Bluetooth Low Energy (BLE) to enable communication with an iPhone or Android
- ▶ Optimized for MIFARE DESFire EV1 with advanced encryption

- ▶ Supports Conekt mobile access credential and DE2 smartcard credential

- ▶ Wiegand output interface
- ▶ Single reader for mullion or wall-switch mount

Conekt Mobile Access Credential

- ▶ Operates with Bluetooth mobile-ready reader
- ▶ High-security encryption technology is protected behind the smartphone's security parameters
- ▶ Easy, one-time registration without disclosure of private information



13.56-MHZ DELTA HIGH SECURITY READERS

Farpointe Data is the access control industry's trusted global partner for premium radio-frequency identification (RFID) solutions, including proximity, contactless smart, and long-range technologies.

A key component of a physical security electronic access control system, a contactless smartcard reader is based on RFID technology. In operation, it is capable of reading data stored on a proximity credential via radio frequency and without physical contact. It then passes the data obtained to the physical access control system. Access control systems typically manage and record the movement of individuals through a protected area, such as a locked door.

HIGH-LEVEL SECURITY FEATURES

The Delta line offers MIFARE DESFire EV1 application support. Credentials based upon MIFARE DESFire EV1 offer even more protection using an even higher security encryption technology standard. DESFire is a high-end chipset in the MIFARE family that is the first chip compliant with the Government Smart Card Interoperability Specification (GSC-IS). The GSC-IS standard was created to ensure the interoperability of contactless and contact smartcards throughout the federal government.

Farpointe's Delta technology is based on the world-popular MIFARE platform to offer a globally accepted, secure, and versatile access control solution. Delta readers support the most popular smartcard and proximity card technologies for simple system integration and the freedom to target different applications with the most convenient card technology. To ensure the integrity of RF data transactions, data communication between Delta cards and Delta readers is encrypted using a powerful key; furthermore, readers and credentials challenge each other's keys during the validation process. Showcasing Delta's versatility, the readers offer a wide range of adjustable settings to satisfy each customer's individual needs, application requirements, and system specifications.

Delta readers are able to read the sector (access control) data and/or card serial number from all ISO 14443 Type A & B compliant credentials including MIFARE, DESFire and iCLASS credentials. Delta credentials meet the ISO standard and are programmed by the manufacturer with a Delta compatible secure key. During Delta's validation process, the credential's secure key is challenged by the reader. If the secure keys match, the reader will read the card's sector data. If the secure keys don't match, the reader will only read the credential's CSN.

Additionally, Delta cards and tags are passive devices, eliminating maintenance by requiring no battery, and can be ordered programmed to various formats and encryption keys.

VISUAL INDICATION

When a proximity card is presented to the readers, the red LED flashes green. The LED can also be wired to the 734 LC terminal to follow the state of the lock.

INDOOR/OUTDOOR DESIGN

The readers are sealed in weatherized polycarbonate enclosures designed to withstand harsh environments as well as provide a high degree of vandal resistance. This allows reliable performance anywhere.

EASILY INTERFACED

Delta comprises Farpointe Data's 13.56 MHz line of contactless smartcard readers, cards and tags. Based upon proven MIFARE contactless digital RFID technology, Delta readers interface with a wide range of electronic access control systems by complying with the Wiegand communication protocol.

BLUETOOTH READER AND MOBILE CREDENTIALS

Instead of keeping track of a key fob or card, some people may prefer using their smartphones to get into their businesses or secure work areas. DMP can give those customers the convenience they prefer with a mobile access credential that is loaded on Bluetooth Low Energy (BLE)-enabled smartphones. This allows the smartphone to function as a contactless electronic access control credential.

READERS AND CREDENTIALS



DELTA3

The Delta3 Contactless Mullion-Mount Smartcard Reader's compact design makes it ideal for mounting to metal door or window frames and other flat surfaces. The reader accepts 5 to 14 volts, covering most voltage requirements. Up to 1.5" read range. It's durable and secured with tamper and weather-resistant epoxy potting, and it's backed by a lifetime warranty.



DELTA6.4

The Delta6.4 Contactless Smartcard Reader and Keypad can be mounted directly to a standard North American sized single-gang wall box. It incorporates a contactless smartcard reader (13.56 MHz) and a keypad into a single-unit, making it ideal for applications requiring an access credential and/or personal identification number (PIN). Up to 2" read range.



DELTA5

The Delta5 Contactless Smartcard Reader (single-gang box) boasts a thin profile and may be mounted to a standard North American single-gang wall switch box and other flat surfaces. Up to 3" read range.



DE2

The DE2 MIFARE DESFire EV1 Smartcard is manufactured from composite PET plastic and can be directly printed on using an ID Badge Printer. The DE2 comes with 2K memory, ISO 14443 technology and has a 2.5" read range.

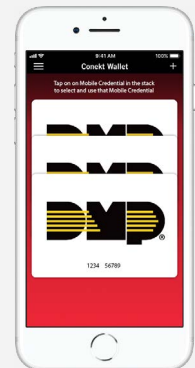
BLUETOOTH READER AND MOBILE CREDENTIALS



CSR-35P

As a member of DMP's high-security readers, the CSR-35P Conekt Mobile-Ready Contactless Smartcard Reader is based on the proven LEGIC® contactless digital RFID platform and interfaces with a wide range of electronic access control systems by complying with the legacy Wiegand interface module.

The CSR-35P can be installed on a metal door, window frame, or flat surface at any entry point, and is also compatible with DMP's DE2 smartcard credential with up to 1.5" read range. With the mobile credential, the CSR-35P also has up to 1.5" read range upon presentation. This single reader comes as a kit with the option to change the back plate for a switch plate or mullion.



CMC-2

Like the DE2, the CMC-2 Conekt Mobile Access Credential is based on MIFARE DESFire EV1 technology, offering an even higher security encryption technology standard than traditional credentials. The credential is stored and activated within the Conekt Mobile Wallet app, which is available on the Apple App or Google Play Stores.

SPECIFICATIONS

Reader Specifications

All Delta readers have the following specifications:

Material	Polycarbonate UL 94
Operating Temp	-40°F to 149°F
Operating Voltage	+5-14 VDC
Transmit Frequency	13.56 MHz

Note: All Current Draw specifications are based upon 12 VDC.

Delta3

Dimensions	1.7" × 3.2" × 0.7"
Power Supply	5 – 14 VDC
Current Draw	
Average	135 mA
Weight	3 oz

Delta 5

Dimensions	3" × 4.6" × 0.4"
Power Supply	5 – 14 VDC
Current Draw	
Average	135 mA
Weight	4 oz

Delta 6.4

Dimensions	3" × 4.6" × 0.75"
Power Supply	5 – 14 VDC
Current Draw	
Average	175 mA
Weight	4 oz

CSR-35P

Technology	Contactless smartcard and Bluetooth Low Energy (BLE)
Frequency	
Smartcard	13.54 MHz
BLE	2.4 GHz
Dimensions	
Mullion	1.7" x 4.7" x 1.2"
Switch Plate	3" x 5.1" x 1.2"
Power Supply	8 – 14 VDC
Current Draw	
Average	40 mA

Reader Ordering Information

D3	Contactless Smartcard Reader
D5	Contactless Smartcard Reader
D6.4	Contactless Smartcard Reader and Keypad
CSR-35P	Presentation Mobile-Ready Contactless Smartcard Reader

Credential Specifications

DE2

Dimensions	2.1" × 3.4" × 0.031"
Operating Temp	-31° F to 158° F
Weight	0.23 oz
Transmit Freq	13.56 MHz

CMC-2

Technology	Bluetooth Low Energy (BLE)
Frequency	2.4 GHz
Type	Smartphone mobile access credential, downloadable via Conekt Wallet app
Operation	iPhone or Android-based smartphones
Marking	Date code and ID

Credentials Ordering Information

DE2	MIFARE® DESFire® EV1 Smartcard
CMC-2/10	Conekt Mobile Access Credential, 10 pk
CMC-2/100	Conekt Mobile Access Credential, 100 pk

Panel Compatibility

Readers	All DMP Panels
Credentials	All DMP Panels

Keypad Compatibility

Readers	7063, 7063A, 7073, 7073A, 7163, 7173, 7363, 7872, 7873
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Reader Listings

All readers have the following listings:
UL 294
FCC part 15, United States