

Farpointe Data
Readers • Credentials

High Security, Bluetooth Readers, Credentials



FEATURES

Reader

- ▶ Compatible with all DMP XR panels
- ▶ Easily interfaces with DMP 7073, 7073A and 7173 Thinline™ keypads, 7873 graphic keypad, 734, 734N, 734N-POE or 1134 access control 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

- ▶ Wiegand or Open Supervised Device Protocol (OSDP) for easy integration with DMP access systems
- ▶ Supports MIFARE® technology, a leading industry standard for contactless smartcards

- ▶ Optimized for MIFARE DESFire EV2 with advanced encryption
- ▶ Supports Conekt mobile access credential and DE2 and CSK-2 smartcard credentials
- ▶ Wiegand output interface
- ▶ Single reader for mullion or wall-switch mount

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 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

Conekt™ Mobile-Ready Reader

- ▶ Uses Bluetooth Low Energy (BLE) to enable communication with an iPhone or Android

OSDP Readers Now Available

- ▶ Enhanced smartcard encryption and optional DESFire® EV2 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



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 EV2 application support. Credentials based upon MIFARE DESFire EV2 offer 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.

OSDP

Open Supervised Device Protocol (OSDP) offers a higher security communication between the reader and access control module. It utilizes AES-128 encryption and bi-directional communication for reader configuration, reader status and line monitoring. This allows the reader to be "married" to the access control module to virtually eliminate hacking of reader data. The Delta series line of OSDP readers is of the highest security readers available in the market today.

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 inch read range. It's durable and secured with tamper and weather-resistant epoxy potting, and it's backed by a lifetime warranty.



DE2

The DE2 MIFARE DESFire EV2 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 inch 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 inch read range.



CSK-2

The CSK-2 is an ISO 14443-A compliant MIFARE DESFire EV1 smartcard key fob-style tag. The CSK-2 is a grey color and has a read range of 1 inch.



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 inch read range.

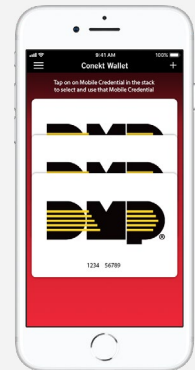
BLUETOOTH READER AND MOBILE CREDENTIALS



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 easily with DMP's access control modules.

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 and CSK-2 smartcard credential with up to 1.5 inch read range. With the mobile credential, the CSR-35P also has up to 1.5 inch 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 and CSK-2, the CMC-2 Conekt Mobile Access Credential is based on MIFARE DESFire EV2 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/ DELTA3-OSDP

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

DELTA5/ DELTA5-OSDP

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

DELTA6.4/DELTA6.4-OSDP

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

CSR-35P/CSR-35-OSDP

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

Reader Ordering Information

DELTA3/ DELTA3-OSDP	Mullion Smartcard Reader
DELTA5/ DELTA5-OSDP	Single Gang Smartcard Reader
DELTA6.4/ DELTA6.4-OSDP	Single Gang w/Pin Pad Smartcard Reader
CSR-35P/ CSR-35P-OSDP	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

CSK-2

Dimensions	1.9" × 1.5" × 0.28"
Operating Temp	-40° F to 158° F
Weight	0.39 oz
Transmit Freq	13.56 MHz
Read Range	Up to 1"

Credentials Ordering Information

DE2/10	MIFARE® DESFire® EV2 Smartcard, 10 pk
DE2/100	MIFARE® DESFire® EV2 Smartcard, 100 pk
CMC-2/10	Conekt Mobile Access Credential, 10 pk
CMC-2/100	Conekt Mobile Access Credential, 100 pk
CSK-2/25	MIFARE DESFire EV2 Keyfob, 25 pk

Panel Compatibility

Readers	All DMP XR Panels
Credentials	All DMP XR Panels

Keypad Compatibility

Readers	7073, 7073A, 7173, 7873
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Reader Listings

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