



Farpointe Data
Readers • Credentials

High Security, Bluetooth Readers, Credentials



FEATURES

Reader

- ▶ Compatible with all DMP XR Series™ 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 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

- ▶ MIFARE® DESFire® EV2 and EV3 technology, a leading industry standard for contactless Smart Cards

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
- ▶ MAXSecure™ unique security feature, available upon request

- ▶ Supports Conekt mobile access credential and CSM-2P and CSK-2 Smart Card credentials
- ▶ Wiegand or OSDP output interface

- ▶ Adapter plate included for mullion or single gang box 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
- ▶ Optimized for mobile devices supporting BLE version 4.2 or newer

OSDP Readers Now Available

- ▶ Enhanced Smart Card encryption and DESFire® EV2 and EV3 support
- ▶ Supports industry-standard interfaces
- ▶ Based upon the world-standard MIFARE® technology, ideal for ISO 14443 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 Smart Card 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 and EV3 application support. Credentials based upon MIFARE DESFire EV2 and EV3 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 Smart Cards 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 MIFARE Classic® 1K and 4K, MIFARE DESFire EV1 and EV2, MIFARE UltraLight® and MIFARE Plus®.

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 access control data and/or card serial number from all ISO 14443 Type A & B Smart Cards. 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. This eliminates maintenance with no battery required. They can also be ordered programmed to various formats and encryption keys.

VISUAL INDICATION

When a proximity card is presented to a reader, the red LED flashes green to indicate a read card with the proper format/frequency. The LED can also be wired to the 734 LC terminal to follow the state of the lock.

INDOOR/OUTDOOR DESIGN

The readers carry an IP67 rating, making them ready to take on any harsh environment. This also provides a high degree of vandal resistance. This allows reliable performance anywhere.

EASILY INTERFACED

DELTA comprises Farpointe Data's 13.56-MHz line of contactless Smart Card readers, cards and tags. Based on proven DESFire contactless digital RFID technology, DELTA readers interface with a wide range of electronic access control systems by complying with the Wiegand or OSDP communication protocols.

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. You can give those customers the convenience they prefer with a mobile access credential that is loaded on BLE - enabled smartphones. This allows the smartphone to function as a contactless electronic access control credential.

OSDP

A higher security communication between the reader and access control module is guaranteed with OSDP. 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 interception of reader data. The DELTA series line of OSDP readers is among the highest security readers available in the market today.

READERS AND CREDENTIALS



DELTA3

The DELTA3 Contactless Mullion-Mount Smart Card 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.



CSM-2P

The CSM-2P MIFARE DESFire EV2 Smart Card is manufactured from composite PET plastic and can be directly printed on using an ID Badge Printer. The CSM-2P comes with 2K memory, ISO 14443 technology and has a 2.25 inch read range.



DELTA5

The DELTA5 Contactless Smart Card 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 Smart Card 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 Smart Card Reader and Keypad can be mounted directly to a standard North American sized single-gang wall box. It incorporates a contactless Smart Card 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-35

As a high-security reader, the CSR-35 Conekt Mobile-Ready Contactless Smart Card Reader is based on the proven LEGIC® contactless digital RFID platform and interfaces easily with DMP's access control modules.

The CSR-35 can be installed on a metal door, window frame or flat surface at any entry point, and is also compatible with the CSM-2P and CSK-2 Smart Card credential with up to 1.5 inch read range. With the mobile credential, the CSR-35 is field configurable up to a 30 foot read range. This single reader comes as a kit with the option to change the back plate for a switch plate or mullion.



CMC-2

This credential is programmed with a unique MaxSecure code. That same code is embedded to reader purchases so that readers and credentials only acknowledge each other with their MaxSecure codes match. 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-35/CSR-35-OSDP

Technology	Contactless Smart Card and Bluetooth Low Energy (BLE)
Frequency	
Smart Card	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 Smart Card Reader
DELTA5/ DELTA5-OSDP	Single Gang Smart Card Reader
DELTA6.4/ DELTA6.4-OSDP	Single Gang w/Pin Pad Smart Card Reader
CSR-35/ CSR-35-OSDP	Presentation Mobile-Ready Contactless Smart Card Reader

Credential Specifications

CSM-2P

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

CSM-2P/10	MIFARE DESFire EV2 Smart Card, 10 pk
CSM-2P/100	MIFARE DESFire EV2 Smart Card, 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 Key Fob, 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