



Apple Wallet



Google Wallet



CONEKT BLE



CSR-35L CONEKT® MOBILE-READY CONTACTLESS SMARTCARD READER



DOORS



PARKING



TURNSTILES



Mounts to mullion



Mounts to single-gang wall switch box

Conekt® Mobile Smartphone Access Control Solution



Frequency: 13.56 MHz and 2.4 GHz

Read Range:

Physical Credentials: Up to 2 inches (51 mm)

Mobile NFC Credentials: Up to 2 inches (51 mm)

Mobile BLE Credentials: Up to 15 feet (4.6 m)



Bluetooth Low Energy

Supports Conekt or Switch™ Tech
Smartphone Mobile Credentials



NFC Digital Wallet

Supports Apple Wallet® & Google Wallet®
Access Badges



Mobile Ready by Design

Integrated BLE and NFC Technology



Optimized for MIFARE® DESFire® EV2 & EV3

Integrated High-Security Contactless Smartcard Support



ETL Listed — Independently Tested and Certified (Wiegand models)

Conform to UL Standard 294 and ULC 60839-11-1



Warranty

Farpointe Lifetime Warranty



Wiegand, ABA Track II Magnetic Stripe or OSDP*

Output Interface



Single Reader for Mullion or Wall-Switch Mount

Metal Door, Window Frames & Flat Surfaces

*OSDP readers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: CSR-6.2L-OSDP).

CSR-35L CONEKT® MOBILE-READY CONTACTLESS SMARTCARD READER

Conekt comprises Farpointe Data's contactless smartcard reader solution with mobile access support. Based upon the proven LEGIC® contactless digital radio frequency identification (RFID) platform, Conekt readers interface with a wide range of electronic access control systems by complying with either the legacy Wiegand and ABA Track II magnetic stripe formats, or the latest bi-directional Open Supervised Device Protocol (OSDP). They offer value-add features such as MAXSecure™ and ValidID™, and support both sector and card serial number (CSN) reads. In addition to traditional contactless smartcard access credentials, such as clamshell cards and key tags, the platform also offers the option of mobile access credentials stored in Apple Wallet®, Google Wallet®, and the CONEKT App on Bluetooth Low Energy (BLE)-enabled smartphones. This allows the smartphone to function as a contactless electronic access control credential. Conekt and NFC access credentials, both traditional and mobile, can be ordered programmed to various formats in exact number sequence required.

Specifications	CSR-35L Conekt Mobile-Ready Contactless Smartcard Reader and Keypad
Models	CSR-35L Conekt Mobile-Ready Contactless Smartcard Reader
Technology ¹	Contactless smartcard, Bluetooth Low Energy (BLE), Near Field Communication (NFC), ECP2.0
Frequency	13.56 MHz (contactless smartcard) and 2.4 GHz (BLE)
Mounting	A single reader for metal door and window frames, single-gang wall boxes, and flat surfaces
Dimensions	Mullion: 1.7" W x 4.7" H x 1.2" D (43 mm x 119 mm x 30 mm) Switch Plate: 3" W x 5.1" H x 1.2" D (76 mm x 130 mm x 30 mm)
OEM Label Area	0.9" W x 0.35" H (22.86 mm x 8.89 mm) with corner radius of 0.06" (1.5 mm)
Certifications	FCC, ICC, CE, UL Standard 294, ULC 60839-11-1 ²
IP Code ³	IP67
Voltage ⁴	+8 to 14 VDC
Current Draw	60 mA typical, 250 mA peak @ 12 VDC
Read Range ⁵	Physical Credentials: Up to 2 inches (51 mm) Mobile Credentials: 13.56MHz/NFC credentials up to 2 in. (51mm), 2.4 GHz/BLE up to 15 ft. (4.6 m) ⁶
Cabling ⁷	24 AWG minimum, multiconductor stranded with an overall foil shield
Interface	Wiegand (26-bit and custom formats), ABA Track II magnetic stripe (clock and data) or OSDP ⁸
Operating Temperature	-31° F to 140° F (-35° C to +60° C)
Operating Humidity	0% to 90% relative humidity
Color Options	A black snap-on cover included standard
Audio Tone	Beeper included standard
Indoor & Outdoor Installation	Electronics sealed in weather- and tamper-resistant epoxy potting
Warranty	Limited lifetime warranty
LED	Four-state standard (red, green, amber, and off)
Technologies Supported	Interoperable with contactless smartcard CSN ⁹ (may include ISO 14443 compliant credentials and MIFARE® Classic 1k & 4k, MIFARE® DESFire® EV2 & EV3, MIFARE UltraLight® and MIFARE Plus®), Sector or Application (may include Delta Card Sector ¹⁰ , such as MIFARE® Classic 1k & 4k, MIFARE® DESFire® EV2 & EV3, INSIDE Secure®/PICOPASS® classic-type ISO 15693 transponders ¹¹ , FIPS201 [PIV Type A], TWIC, and CAC credentials), Conekt ^{12 13} or Switch™ Tech ¹⁴ ("Switch Keys") Mobile Access Credentials, as well as Apple Wallet & Google Wallet Access Badges.

NOTES:

- Optimized for use with devices supporting BLE version 4.2 or newer. Apple Wallet requires iOS 15 or newer, Google Wallet requires Android 8.0 or newer, as well as reader firmware Rev. 13 or newer. Please reference Apple and Google documentation for official device support list and OS.
- Carrying the ETL Label and tested by Intertek, conforms to UL Standard 294 and ULC Standard 60839-11-1. Only Wiegand models have been evaluated.
- Independently tested and verified by Intertek.
- Linear power supplies are recommended for best operation.
- For physical credentials, using DC1-1 Delta Clamshell Contactless Smartcard with 12 VDC at the reader. Other credentials may be less. For mobile credentials, read ranges are further subject to the type of smartphone, as well as the manner in which it is used, covers or external batteries affixed, as well as the installation, its environment and individual reader settings.
- The default BLE Read-Range of a Conekt mobile-ready reader is Short Mode. (See [Bluetooth Low Energy \(BLE\) Range-Setting Process Reference Document](#) for more information.)
- For example, Belden 9535 or similar, supporting the five conductors comprising the physical layer of the Wiegand interface (power, ground, data 0, data 1, and/or beeper and LED). Alternatively, Belden 9539 or similar, for all reader functions. Shielded, twisted pair (Belden 8723 or similar) for OSDP. Contact your access control system manufacturer for their specific requirements.
- OSDP readers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: CSR-35L-OSDP).
- CSN = Card Serial Number (MIFARE UID)
- Examples include, but are not limited to, DC1-1, DM1-3, and DK1-3.
- Revision 8 or newer includes technology support for certain HID® standard classic-type 13.56-MHz contactless smartcard protocols (ISO 15693).
- Conekt is intended to support the current and recent preceding versions of officially released Apple® iOS and standard compliant Google Android™ mobile operating software (OS). Custom OS variants, such as beta software releases and Android skins may result in a loss of functionality or simply not function.
- Revision 8 or newer includes technology support for Touchless Activation-enabled Conekt Mobile Access Credentials.
- CSR-35L-ST: The '-ST' suffix indicates support of Switch Tech Mobile Access Credentials.



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Farpointe Data, Inc.
2195 Zanker Road
San Jose, CA 95131 USA
Office: +1-408-731-8700
Fax: +1-408-731-8705
support@farpointedata.com