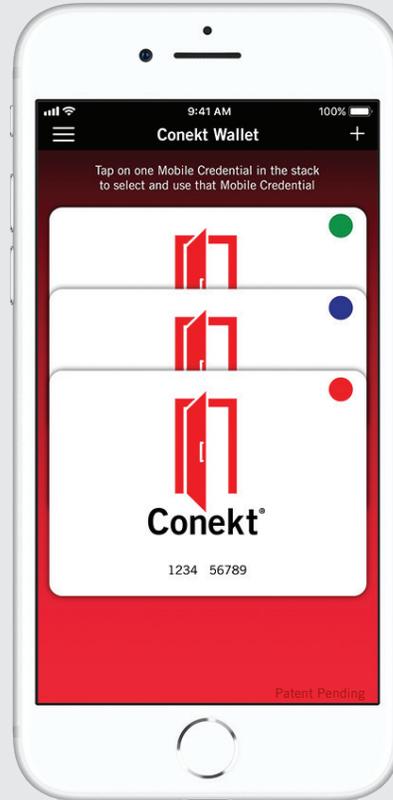




CMC-2 CONEKT® MOBILE ACCESS CREDENTIAL



Conekt Mobile Smartphone Access Control Solution

 **Frequency:** 2.4 GHz
Read Range: Up to 15 feet (4.6 m)



Bluetooth Low Energy
Operate with Conekt Mobile-Ready Readers



High-Security Encryption Technology
Protected Behind the Smartphone's Security Parameters



Respect For Privacy
Easy, One-Time Registration without Disclosure of Private Information



Conekt Wallet App
Store Multiple Conekt Mobile Access Credentials in a Single Location



Private Label
Add Company Name, Logo, Phone Number, Web Address and More



MAXSecure™
Unique Security Feature



Contactless
Supports Conekt BLE/13.56-MHz Contactless Smartcard Readers and Conekt BLE/125-kHz Proximity Readers

CMC-2 CONEKT® MOBILE ACCESS CREDENTIAL

Conekt comprises Farpointe Data’s mobile credential solution, utilizing Bluetooth Low Energy (BLE) to enable communication between a smartphone and Conekt mobile-ready readers. Stored and activated within the Conekt Mobile Wallet App, Conekt mobile credentials work in much the same manner as physical credentials, supporting 26-Bit Wiegand format, as well as custom Wiegand, ABA Track II magnetic stripe, serial data formats, or bi-directional Open Supervised Device Protocol (OSDP). They employ value-add features, such as MAXSecure™, and advanced data protection, such as AES encryption. Conekt access credentials, both traditional and mobile, can be ordered programmed to various formats in exact number sequence required. Just as with traditional physical credentials, Conekt mobile credentials can also be private labeled with a company name, logo, phone number, web address, or other information.

Specifications	CMC-2 Conekt Mobile Access Credential
Technology ¹	Bluetooth Low Energy (BLE)
Frequency	2.4 GHz
Type ²	Smartphone mobile access credential, downloadable via Conekt Wallet App
Operation ³	iPhone® or Android™-based smartphones
Formats	Wiegand (26-bit and custom formats), ABA Track II magnetic stripe (clock and data) or OSDP
Marking ⁴	Date code and ID
Read Range ⁵	Up to 15 feet (4.6 m)
Options ⁶	Custom printing of company logo, URL, telephone number, and more

NOTES:

- 1 Optimized for use with Conekt BLE/13.56-MHz Contactless Smartcard Readers and Conekt BLE/125-kHz Proximity Readers, supporting BLE version 4.2 or newer.
- 2 Multiple unique Conekt mobile access credentials may be stored in the Conekt Wallet App. Prior to downloading the first mobile access credential, insure the most up-to-date version of the Conekt Mobile Wallet App is downloaded to, and installed on, the target smartphone.
- 3 Conekt is intended to support the current and preceding versions of Apple® iOS and standard compliant Google Android™ mobile operating software (OS). Custom OS variants may result in a loss of functionality.
- 4 Matching internal and external sequential coding standard. Custom marking available.
- 5 With 12 VDC at the reader. 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 and its environment.
- 6 Contact Farpointe to learn more about how mobile access credentials can be customized.

Patent Pending

Farpointe Data reserves the right to change specifications without notice.



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CONEKT® PHYSICAL CONTACTLESS SMARTCARD CREDENTIALS



CSC-2
Clamshell Card

CSK-2 Keyfob

CSM-2P and CSM-2S
ISO Cards



Conekt Mobile Smartphone Access Control Solution



Frequency: 13.56 MHz

Read Ranges:

CSC-2: Up to 2.25 inches (57 mm)

CSM-2P/S: Up to 2.25 inches (57 mm)

CSK-2: Up to 1 inch (25 mm)



MIFARE® DESFire® EV2 Support
High-Security Encryption Technology



MAXSecure™
Unique Security Feature



ValidID™
Fraudulent Data Detection Solution



Warranty
One-Year Warranty / Limited Lifetime Warranty



RFID
ISO 14443-A Protocol



Slot-Punch
Vertical Slot / Vertical & Horizontal Indicators / Built-in Eyelet



Contactless
Up to 2.25 in (57 mm)

CONEKT® PHYSICAL CONTACTLESS SMARTCARD CREDENTIALS

Conekt comprises Farpointe Data’s mobile-ready contactless smartcard access control ID solution. 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 or bi-directional Open Supervised Device Protocol (OSDP). In addition to supporting mobile access credentials—using the Bluetooth Low Energy (BLE) feature of select smartphones—Conekt includes a range of traditional physical access credentials, such as clamshell cards, ISO cards, and key tags. Conekt’s range of credentials support 26-Bit Wiegand format, as well as custom Wiegand, ABA Track II magnetic stripe and serial data formats. They employ value-add features, such as MAXSecure™, and advanced data protection, such as AES encryption. All Conekt credentials can be ordered programmed to various formats in exact number sequence required, and can be private labeled with a company name, logo, phone number, web address, or other information.

Specifications	CSC-2	CSM-2P/S	CSK-2
Technology	Smartcard ¹		
Frequency	Excitation (13.56 MHz)		
Operation	Passive (no battery)		
Type	Clamshell-style card	ISO-style card	Key fob-style tag
Formats	Wiegand (26-bit and custom formats), ABA Track II magnetic stripe (clock and data) and Serial typical ²		
Material	ABS housing, PC sticker	PET composite surface + PVC core	ABS housing, stainless steel frame
Color	White	Glossy white	Grey
Slot Punch	Standard, vertical slot	Vertical and horizontal indicators	Built-in eyelet
Marking ³	Date code and ID		
Imaging ⁴	Use a glossy adhesive overlay for color dye sublimation printing or print directly on card	Supports dye sublimation imaging	N/A
Read Range ⁵	Up to 2.25 inches (57 mm)	Up to 2.25 inches (57 mm)	Up to 1 inch (25 mm)
Outputs ⁶	Multi-Application		
Options ⁷	Custom printing of company logos, URL, telephone number, and more		
Warranty	Limited lifetime warranty	12 months	12 months
OEM Label Area Dimensions	0.9" W × 0.35" H (22.86 mm × 8.89 mm) with corner radius of 0.06" (1.5 mm)	N/A	0.9" W × 0.35" H (22.86 mm × 8.89 mm) with corner radius of 0.06" (1.5 mm)
Dimensions	2.1" W × 3.4" H × .07" D (54 mm × 86 mm × 1.8 mm)	2.1" W × 3.4" H × 0.03" D (54 mm × 86 mm × 0.76 mm)	1.9" W × 1.5" H × 0.28" D (49 mm × 38 mm × 7 mm)
Weight	0.35 oz (10 g)	0.23 oz (6.4 g)	0.39 oz (11 g)
Operating Temperature	-40° F to 158° F (-35° C to +70° C)	-31° F to 122° F (-35° C to +50° C)	-40° F to 158° F (-40° C to +70° C)
Humidity	0-95% non-condensing		N/A
Memory	2K memory standard ⁸		
ISO Standards	ISO 14443-A		
Technologies Supported	MIFARE® DESFire EV2		

NOTES:

- 1 Optimized for use with Conekt BLE/13.56-MHz Contactless Smartcard Readers.
- 2 OSDP readers typically make use of credentials encoded with Wiegand or serial formatted data.
- 3 Matching internal and external sequential coding standard. Custom printing available.
- 4 Please verify that the printer (or overlay) supports credential type/thickness.
- 5 Tested with 12 VDC @ Conekt CSR-35 reader.
- 6 Typical directory structure of up to 28 applications, with up to 32 files per application.
- 7 Contact Farpointe to learn how you can customize your cards and tags.
- 8 Other memory sizes available.

Farpointe Data reserves the right to change specifications without notice.

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



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 1.5 inches (38 mm)
Mobile Credentials: Up to 15 feet (4.6 m)



Bluetooth Low Energy
Supports Conekt Smartphone Mobile Access Credentials



Optimized for MIFARE® DESFire® EV1 & EV2
Integrated High-Security Contactless Smartcard Support



MAXSecure™
Unique Security Feature



ValidID™
Fraudulent Data Detection Solution



ETL Listed — Independently Tested and Certified (Wiegand model)
Conforms 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-35L-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 loaded on Bluetooth Low Energy (BLE)-enabled smartphones. This allows the smartphone to function as a contactless electronic access control credential. Conekt 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
Technology ¹	Contactless smartcard and Bluetooth Low Energy (BLE)
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 × 4.7" H × 1.2" D (43 mm × 119 mm × 30 mm) Switch Plate: 3" W × 5.1" H × 1.2" D (76 mm × 130 mm × 30 mm)
OEM Label Area	Backlit; Dimensions 0.9" W × 0.35" H (22.86 mm × 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 1.5 inches (38 mm) Mobile Credentials: Up to 15 feet (4.6 m)
Cabling ⁶	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 ⁷
Operating Temperature	-31° F to 150° F (-35° C to +66° C)
Operating Humidity	0% to 90% relative humidity
Audio Tone	Beeper included standard
Indoor & Outdoor Installation	Electronics sealed in weather- and tamper-resistant epoxy potting
Warranty	Limited lifetime warranty
LED	Five-state standard (blue, red, green, amber, and off)
Technologies Supported	Interoperable with CSN ⁸ (may include ISO 14443 compliant credentials and MIFARE® Classic 1k & 4k, MIFARE® DESFire® EV1 & EV2, MIFARE UltraLight® and MIFARE Plus®), and Sector (may include Delta Card Sector ⁹ , such as MIFARE® Classic 1k & 4k, MIFARE® DESFire® EV1 & EV2, as well as FIPS201 [PIV Type A], TWIC, and CAC credentials), as well as Conekt Mobile Access Credentials. ¹⁰

NOTES:

- 1 Optimized for use with devices supporting BLE version 4.2 or newer.
- 2 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.
- 3 Independently tested and verified by Intertek.
- 4 Linear power supplies are recommended for best operation.
- 5 Using DC1-1 Delta Clamshell Contactless Smartcard with 12 VDC at the reader. Other credentials may be less. 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 and its environment.
- 6 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.
- 7 OSDP readers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: CSR-35L-OSDP).
- 8 CSN = Card Serial Number.
- 9 Examples include, but are not limited to, DC1-1, DM1-3, and DK1-3.
- 10 Conekt Mobile Access Credentials are intended to be supported by the current and preceding versions of Apple® iOS and standard compliant Google Android™ mobile operating software (OS). Custom OS variants may result in a loss of functionality.



Patent Pending

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CSR-6.2L & CSR-6.4L CONEKT® MOBILE-READY CONTACTLESS SMARTCARD READER AND KEYPAD



CSR-6.2L mounts to mullion



CSR-6.4L 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 Credentials: Up to 15 feet (4.6 m)



Bluetooth Low Energy
Supports Conekt Smartphone Mobile Access Credentials



Optimized for MIFARE® DESFire® EV1 & EV2
Integrated High-Security Contactless Smartcard Support



MAXSecure™
Unique Security Feature



ValidID™
Fraudulent Data Detection Solution



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



Mullion Mount (CSR-6.2L)
Metal Door, Window Frames & Flat Surfaces



U.S. Single-Gang Wall-Box Mount (CSR-6.4L)
Box & Flat Surfaces

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

CSR-6.2L & CSR-6.4L CONEKT® MOBILE-READY CONTACTLESS SMARTCARD READER AND KEYPAD

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 loaded on Bluetooth Low Energy (BLE)-enabled smartphones. This allows the smartphone to function as a contactless electronic access control credential. Conekt access credentials, both traditional and mobile, can be ordered programmed to various formats in exact number sequence required.

Specifications	CSR-6.2L & CSR-6.4L Conekt Mobile-Ready Contactless Smartcard Reader and Keypad
Models	CSR-6.2L Mullion-Mount Mobile-Ready Contactless Smartcard Reader and Keypad CSR-6.4L Single-Gang Wall Switch Box Mount Mobile-Ready Contactless Smartcard Reader and Keypad
Technology ¹	Contactless smartcard and Bluetooth Low Energy (BLE)
Frequency	13.56 MHz (contactless smartcard) and 2.4 GHz (BLE)
Mounting ²	CSR-6.2L: Mullions, including metal door and window frames, as well as flat surfaces CSR-6.4L: Single-gang wall box, as well as flat surfaces
Dimensions	CSR-6.2L: 1.78" W x 6.1" H x 0.91" D (45 mm x 155 mm x 23 mm) CSR-6.4L: 3" W x 4.6" H x 0.75" D (76 mm x 117 mm x 19 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 ³
IP Code ⁴	IP67
Voltage ⁵	+8 to 14 VDC
Current Draw	60 mA typical, 250 mA peak @ 12 VDC
Read Range ⁶	Physical Credentials: Up to 2 inches (51 mm) Mobile Credentials: Up to 15 feet (4.6 m)
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 150° F (-35° C to +66° 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)
Keypad Output	Either Wiegand ⁹ or OSDP ⁸
Technologies Supported	Interoperable with CSN ¹⁰ (may include ISO 14443 compliant credentials and MIFARE® Classic 1k & 4k, MIFARE® DESFire® EV1 & EV2, MIFARE UltraLight® and MIFARE Plus®), and Sector (may include Delta Card Sector ¹¹ , such as MIFARE® Classic 1k & 4k, MIFARE® DESFire® EV1 & EV2, as well as FIPS201 [PIV Type A], TWIC, and CAC credentials), as well as Conekt Mobile Access Credentials. ¹²

NOTES:

- 1 Optimized for use with devices supporting BLE version 4.2 or newer.
- 2 Spacer included standard for installations on metal. Depending on environment, additional spacing may be required.
- 3 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.
- 4 Independently tested and verified by Intertek.
- 5 Linear power supplies are recommended for best operation.
- 6 Using DC1-1 Delta Clamshell Contactless Smartcard with 12 VDC at the reader. Other credentials may be less. 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 and its environment.
- 7 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.
- 8 OSDP readers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: CSR-6.2L-OSDP).
- 9 8-Bit Burst or 26-bit Wiegand standard. For 4-Bit Burst and other options, please contact Farpointe.
- 10 CSN = Card Serial Number.
- 11 Examples include, but are not limited to, DC1-1, DM1-3, and DK1-3.
- 12 Conekt Mobile Access Credentials are intended to be supported by the current and preceding versions of Apple® iOS and standard compliant Google Android™ mobile operating software (OS). Custom OS variants may result in a loss of functionality.



For proper PIN security with keypad readers, please review our [PIN Best Practices Reference Document](#).

Patent Pending

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PCR-35L CONEKT[®] MOBILE-READY PROXIMITY READER



Mounts to mullion

Mounts to single-gang wall switch box

Conekt Mobile Smartphone Access Control Solution



Frequency: 125 KHz and 2.4 GHz
Read Range:
Physical Credentials: Up to 4 inches (102 mm)
Mobile Credentials: Up to 15 feet (4.6 m)



Bluetooth Low Energy
Supports Conekt Smartphone Mobile Access Credentials



Proximity
Supports 125-kHz cards and tags



MAXSecure™
Unique Security Feature



ETL Listed — Independently Tested and Certified (Wiegand model)
Conforms 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: PCR-35L-OSDP).

PCR-35L CONEKT® MOBILE-READY PROXIMITY READER

Conekt is Farpointe Data's mobile smartphone access control ID solution. 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 can be ordered to support several proximity card and tag technologies. In addition to traditional proximity credentials, such as clamshell cards and key tags, the platform also offers the option of mobile access credentials loaded on Bluetooth Low Energy (BLE)-enabled smartphones. This allows the smartphone to function as a contactless electronic access control credential.

Specifications	PCR-35L Conekt Mobile-Ready Proximity Reader
Technology ¹	Proximity and Bluetooth Low Energy (BLE)
Frequency	125 kHz (proximity) 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 × 4.7" H × 1.2" D (43 mm × 119 mm × 30 mm) Switch Plate: 3" W × 5.1" H × 1.2" D (76 mm × 130 mm × 30 mm)
OEM Label Area	Backlit; Dimensions 0.9" W × 0.35" H (22.86 mm × 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, 90 mA peak @ 12 VDC
Read Range ⁵	Physical Proximity Credentials: Up to 4 inches (102 mm) Mobile Credentials: Up to 15 feet (4.6 m)
Cabling ⁶	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 ⁷
Operating Temperature	-31° F to 150° F (-35° C to +66° C)
Operating Humidity	0% to 90% relative humidity
Audio Tone	Beeper included standard
Indoor & Outdoor Installation	Electronics sealed in weather- and tamper-resistant epoxy potting
Warranty	Limited lifetime warranty
LED	Five-state standard (blue, red, green, amber, and off)
Technologies Supported	PCR-35L-H-A: Pyramid + certain HID® 125-kHz Proximity protocols + certain AWID® 125-kHz Proximity protocols ⁸ Conekt Mobile Access Credentials ⁹

NOTES:

- 1 Optimized for use with devices supporting BLE version 4.2 or newer.
- 2 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.
- 3 Independently tested and verified by Intertek.
- 4 Linear power supplies are recommended for best operation.
- 5 Using PSC-1 Standard Light Proximity Card with 12 VDC at the reader. Other credentials may be less. Read ranges are further subject to the type of proximity credential or smartphone used, the manner in which it is used, as well as the installation and its environment.
- 6 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.
- 7 OSDP readers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: PCR-35L-OSDP).
- 8 Examples may include, and may not be limited to, PSC-1, PSI-4, PSM-2, PSK-3, PDT-1, ProxCard II®, ISOProx® II, ProxKey® II, CS Prox Card, GR (ISO) Graphics Quality Prox Card, and KT Key Tag.
- 9 Conekt Mobile Access Credentials are intended to be supported by the current and preceding versions of Apple® iOS and standard compliant Google Android™ mobile operating software (OS). Custom OS variants may result in a loss of functionality.



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PCR-620L & PCR-640L CONEKT® MOBILE-READY PROXIMITY READER AND KEYPAD



PCR-620L mounts to mullion



PCR-640L mounts to single-gang wall switch box

Conekt Mobile Smartphone Access Control Solution



Frequency: 125 kHz and 2.4 GHz
Read Range:
Physical Credentials: Up to 4 inches (102 mm)
Mobile Credentials: Up to 15 feet (4.6 m)



Bluetooth Low Energy

Supports Conekt Smartphone Mobile Access Credentials



Proximity

Supports 125-kHz cards and tags



MAXSecure™

Unique Security Feature



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



Mullion Mount (PCR-620L)

Metal Door, Window Frames & Flat Surfaces



U.S. Single-Gang Wall-Box Mount (PCR-640L)

Box & Flat Surfaces

*OSDP readers are independent models and need to be appended with the suffix “-OSDP” when ordering (Example: PCR-620L-OSDP).

PCR-620L & PCR-640L CONEKT® MOBILE-READY PROXIMITY READER AND KEYPAD

Conekt is Farpointe Data’s mobile smartphone access control ID solution. 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 can be ordered to support several proximity card and tag technologies. In addition to traditional proximity credentials, such as clamshell cards and key tags, the platform also offers the option of mobile access credentials loaded on Bluetooth Low Energy (BLE)-enabled smartphones. This allows the smartphone to function as a contactless electronic access control credential.

Specifications	PCR-620L & PCR-640L Conekt Mobile-Ready Proximity Reader and Keypad
Models	PCR-620L Mullion-Mount Mobile-Ready Proximity Reader and Keypad PCR-640L Single-Gang Wall Switch Box Mount Mobile-Ready Proximity Reader and Keypad
Technology ¹	Proximity and Bluetooth Low Energy (BLE)
Frequency	125 kHz (proximity) and 2.4 GHz (BLE)
Mounting	PCR-620L: Mullions, including metal door and window frames, as well as flat surfaces PCR-640L: Single-gang wall box, as well as flat surfaces
Dimensions	PCR-620L: 1.78" W x 6.1" H x 0.91" D (45 mm x 155 mm x 23 mm) PCR-640L: 3" W x 4.6" H x 0.75" D (76 mm x 117 mm x 19 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, 90 mA peak @ 12 VDC
Read Range ⁵	Physical Credentials: Up to 4 inches (102 mm) Mobile Credentials: Up to 15 feet (4.6 m)
Cabling ⁶	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 ⁷
Operating Temperature	-31° F to 150° F (-35° C to +66° 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)
Keypad Output	Either Wiegand ⁸ or OSDP ⁷
Technologies Supported	PCR-620L-H-A and PCR-640L-H-A: Pyramid + certain HID® 125-kHz Proximity protocols + certain AWID® 125-kHz Proximity protocols ⁹ Conekt Mobile Access Credentials ¹⁰

NOTES:

- Optimized for use with devices supporting BLE version 4.2 or newer.
- 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.
- Using PSC-1 Standard Light Proximity Card with 12 VDC at the reader. Other credentials may be less. 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 and its environment.
- 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: PCR-620L-OSDP).
- 8-Bit Burst or 26-bit Wiegand standard. For 4-Bit Burst and other options, please contact Farpointe.
- Examples may include, and may not be limited to, PSC-1, PSI-4, PSM-2, PSK-3, PDT-1, ProxCard II®, ISOProx® II, ProxKey® II, CS Prox Card, GR (ISO) Graphics Quality Prox Card, and KT Key Tag.
- Conekt Mobile Access Credentials are intended to be supported by the current and preceding versions of Apple® iOS and standard compliant Google Android™ mobile operating software (OS). Custom OS variants may result in a loss of functionality.



For proper PIN security with keypad readers, please review our [PIN Best Practices Reference Document](#).

Patent Pending

Farpointe Data reserves the right to change specifications without notice.

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