



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

Supporting Conekt or Switch™ Tech Smartphone Mobile 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 × 6.1" H × 0.91" D (45 mm × 155 mm × 23 mm) PCR-640L: 3" W × 4.6" H × 0.75" D (76 mm × 117 mm × 19 mm)
OEM Label Area	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 Credentials: Up to 4 inches (102 mm) Mobile Credentials: Up to 15 feet (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 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	PCR-620L-H-A and PCR-640L-H-A: Pyramid + certain HID® 125-kHz Proximity protocols + certain AWID® 125-kHz Proximity protocols ¹⁰ Conekt ^{11 12} or Switch™ Tech ¹³ (“Switch Keys”) Mobile Access Credentials.

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.
- For physical credentials, using PSC-1 Standard Light Proximity Card 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: 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) version OS5 and its successors. Custom OS variants may result in a loss of functionality.
- Revision 8 or newer includes technology support for Touchless Activation-enabled Conekt Mobile Access Credentials.
- PCR-620L-ST and PCR-640L-ST: The “-ST” suffix indicates support of Switch Tech Mobile Access Credentials.



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

