

TX3
Series



TX3-PCR-620
Mounts to mullion



TX3-PCR-640
Mounts to single-gang wall switch box



Doors



Parking



Turnstiles

Features

- **Bluetooth Low Energy**
Supports Conekt Smartphone Mobile Access Credentials
- **Proximity**
Supports 125-kHz cards and tags
- **MAXSecure™**
Unique Security Feature
- **Wiegand, ABA Track II Magnetic Stripe**
Output Interface
- **Mullion Mount (TX3-PCR-620)**
Metal Door, Window Frames & Flat Surfaces
- **U.S. Single-Gang Wall-Box Mount (TX3-PCR-640)**
Box & Flat Surfaces

Description

Mircom's TX3-PCR-620 / TX3-PCR-640 mobile smartphone access control ID solution is based upon the proven LEGIC® contactless digital radio frequency identification (RFID) platform, our 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. 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

Models	TX3-PCR-620 Mullion-Mount Mobile-Ready Proximity Reader and Keypad TX3-PCR-640 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 Bluetooth Low Energy (BLE)
Mounting	TX3-PCR-620: Mullions, including metal door and window frames, as well as flat surfaces TX3-PCR-640: Single-gang wall box, as well as flat surfaces
Dimensions	TX3-PCR-620: 1.78" W × 6.1" H × 0.91" D (45 mm × 155 mm × 23 mm) TX3-PCR-640: 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
IP Code	IP67
Voltage ²	+5 – 16 VDC
Current Draw	70 mA typical, 110 mA peak @ 12 VDC
Read Range ³	Physical Credentials: Up to 4 inches (102 mm) Mobile Credentials: Up to 12 inches (306 mm)
Cabling ⁴	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)
Operating Temperature	–40° F to 149° F (–40° C to +65° C)
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 ⁶
Technologies Supported	TX3-PCR-620 and TX3-PCR-640: Pyramid + certain HID® 125-kHz Proximity protocols + certain AWID® 125-kHz Proximity protocols Conekt Mobile Access Credentials ¹⁰

NOTES:

- Optimized for use with devices supporting BLE version 4.2 or newer.
- 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.
- 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, and PDT-1.
- Examples may include, and may not be limited to, ProxCard II®, ISOProx® II, and ProxKey® II.
- Examples may include, and may not be limited to, 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.

Patent Pending

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Ordering Information

Model	Description
TX3-PCR-620	Mullion-Mount Mobile-Ready Proximity Reader and Keypad
TX3-PCR-640	Single-Gang Wall Switch Box Mount Mobile-Ready Proximity Reader and Keypad



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