FaceKey PRO3 Communications & Integration Guide

# One Intelligent Reader.
# Multiple Access Control Architectures.




From new installations to existing access control systems - PRO3 adapts to your project.

## THREE DEPLOYMENT STRATEGIES

Choose the architecture that fits the building—not the other way around.

### 01 NATIVE FACEKEY

**Reader-centric door control**

PRO3 interfaces with the door lock, REX, door contact, and alarm.

**New installation / selected doors**

### 02 HYBRID PACS

**Conventional panel stays**

PRO3 provides biometric identification through Wiegand interface.

**Existing panel-based systems**

### 03 SMART BRIDGE™

**Database synchronization**

Modernize compatible systems without direct reader-to-controller wiring.

**Phased modernization**

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# THREE DISTINCT COMMUNICATION FUNCTIONS

One PRO3 reader • three different responsibilities • complementary—not interchangeable




**PRO3**

Biometric identity verification at the door

## 01 TCP/IP

Reader management and FaceKey services



LAN **switch**



**FaceKey Server**

Shepherd / DMT2
SQL database services

## 02 WIEGAND

Credential data to conventional panel




**Conventional controller**

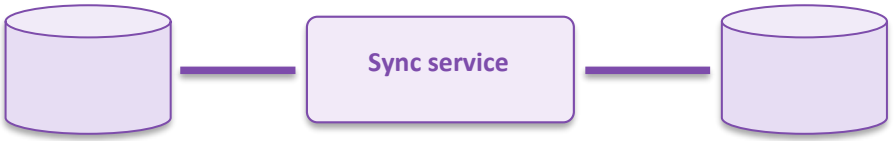


**Existing PACS**

Controller retains door-control authority

## 03 SMART BRIDGE™

Database-to-database synchronization




**FaceKey DB** **Legacy PACS DB**

Important: Smart Bridge connects authorized software/database environments—not a third physical PRO3 interface. It does not require a direct PRO3-to-conventional-controller connection.


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# INSTALLATION AND COMMUNICATION OPTIONS

Separate power/network choices from access control architecture choices.




## PRO3

Choose the power, network, and integration approach that fits the project.

## NETWORK AND POWER OPTIONS

How the reader connects and receives power

**1 — Wired Ethernet**

**+ external 12 VDC**

ETH

Use a standard Ethernet network connection to the PRO3 and a separate regulated 12 VDC power source.

**2 — PoE switch**

**+ splitter**




Simplify cabling by using a PoE network drop with a splitter or approved power conversion accessory at the reader.

**3 — Wi-Fi**

**+ local 12 VDC**

Wi-Fi

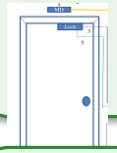
Where wired networking is impractical, PRO3 can communicate through Wi-Fi while local 12 VDC supplies operating power.

## ACCESS CONTROL INTEGRATION OPTIONS

How the overall access control system is organized

**1 — Native FaceKey installation**

**Reader-centric door control**



PRO3 can control the opening through local interfaces for the lock, REX, door contact, and alarm inputs.

**2 — Hybrid connection**

**to conventional PACS**



PRO3 performs biometric identity verification while the conventional controller retains the door-control function.

**3 — Smart Bridge™**

**database synchronization**



Synchronize compatible FaceKey and PACS databases through authorized network infrastructure—without a direct reader-to-controller connection.

*These choices describe connectivity and power—not who*

**Important distinction:** In a native FaceKey installation, PRO3 can control the door through its local interfaces. In a hybrid installation, PRO3 provides biometric identity verification while the conventional access controller retains the door-control function.

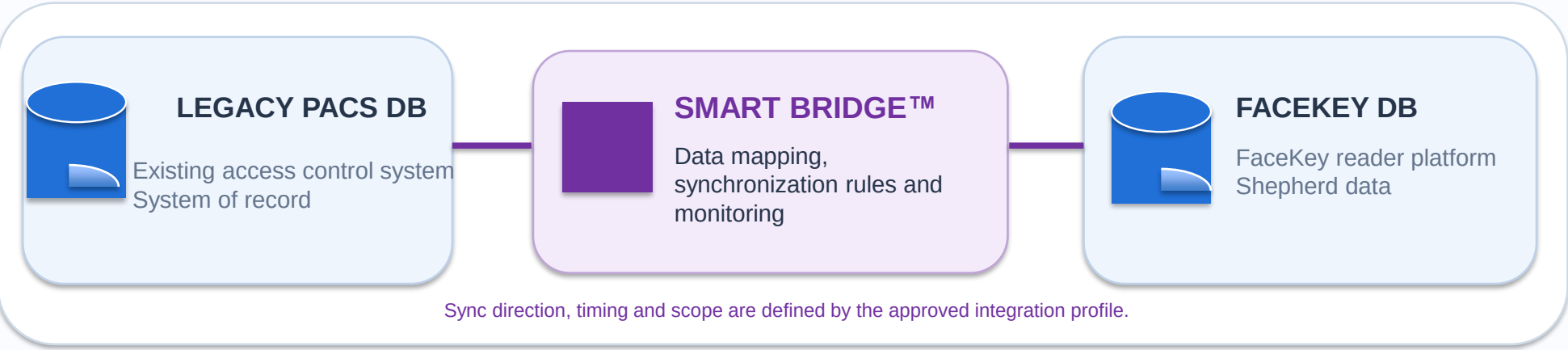


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# SMART BRIDGE™ — DATABASE INTEGRATION

Preserve the existing PACS while connecting compatible FaceKey identity and access data.

## SIMPLIFIED DATA FLOW — SUBJECT TO APPROVED INTEGRATION CONFIGURATION




Sync direction, timing and scope are defined by the approved integration profile.

## DATA CATEGORIES TO EVALUATE

- **Identity and credential references**
  User IDs, employee records and supported card/PIN fields
- **Access policy and activity**
  Supported permissions, schedules, events and audit fields

## CONTROLS REQUIRED FOR RELIABLE SYNC

- **Mappings and ownership**
  Field-level mapping, system of record and conflict handling
- **Operating safeguards**
  Sync frequency, permissions, monitoring and recovery

**IMPORTANT** Biometric templates are not assumed transferable between dissimilar systems. Feasibility depends on supported formats, security architecture and privacy requirements.

**Many existing PACS installations may be candidates, subject to compatibility evaluation.**


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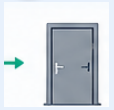
# DOOR INTERFACES AND FIELD DEVICES

Representative equipment categories for reader-centric and hybrid installations.

*Illustrative equipment categories only, not verified FaceKey-approved component models.*

## 1 Electric strike / lock

**Secured opening hardware**



Typical examples include electric strikes and magnetic locks. Final selection depends on door type and project requirements.

## 2 Door position contact

**Status monitoring**

STATUS

Monitors whether the opening is open or closed for status display, alarms, and audit reporting.

## 3 REX button

**Manual request-to-exit**

REX

A local request-to-exit device signals authorized egress and may be used with electric locking hardware.

## PRO3 LOCAL INTERFACES




Lock relay output • Door contact input
REX / auxiliary inputs • Network and power

## 4 Motion / sensor REX

**Sensor-based egress request**

MOTION

Where required, a motion or sensor-based REX device can trigger egress without a manual button press.

## 5 Separate lock power circuit

**Relay-controlled switching**

PWR

The PRO3 relay does not necessarily supply lock power directly. It may switch a separate lock power circuit.

## 6 Fire alarm / emergency release

**Life-safety interface**

SAFE

Unlock-on-alarm, emergency egress, and related release functions must be integrated in accordance with applicable requirements.

In native FaceKey installations, PRO3 can directly supervise the opening through its local interfaces. In hybrid installations, some or all field devices may remain under the conventional controller.

### Door relay note

The relay output may switch a separate lock power circuit rather than supplying operating current directly to the lock.

### Code and life-safety note

Lock configuration, request-to-exit operation, fire-alarm release, and emergency egress must comply with applicable requirements and project specifications.



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# PRO3 INSTALLATION READINESS

Six checks before committing to equipment, cabling, or an existing PACS integration

## INSTALLATION READINESS CHECKLIST

0 of 6 checked

- [ ] **Network and addressing confirmed**
  Ethernet or Wi-Fi • IP addressing • VLAN / firewall • management connectivity
- [ ] **Power budget verified**
  12 VDC supply • PoE splitter rating • lock inrush • backup / voltage drop
- [ ] **Door hardware and wiring reviewed**
  Lock / strike type • relay contacts • door contact • REX • alarm I/O
- [ ] **Conventional PACS compatibility verified**
  Wiegand format • D0/D1/GND • panel enrollment • power compatibility
- [ ] **Life-safety requirements reviewed**
  Emergency egress • fire-alarm release • applicable code • AHJ review
- [ ] **Software and database integration verified**
  Shepherd / DMT2 • SQL placement • approved Smart Bridge mappings

Complete the six checks for the proposed site. Tick each box after the item is verified; record unresolved findings in the project design review.

Planning tool only • Final equipment selection and field wiring require approved drawings and installation verification.



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# WHICH ARCHITECTURE FITS YOUR FACILITY?

Compare the deployment models before selecting the reader, controller, and integration path

| DESIGN CRITERION | NATIVE FACEKEY | HYBRID WIEGAND | SMART BRIDGE™ |
|---|---|---|---|
| **Biometric verification** | PRO3 | PRO3 | PRO3 |
| **Door-control decision** | FaceKey reader-centric arrangement | Existing PACS controller | Depends on configured door architecture |
| **Legacy controller connection** | Not required for native door control | Wiegand D0 / D1 / GND | No direct reader-to-panel link required for database integration |
| **Existing PACS retained** | Optional | Yes | Yes, subject to compatibility |
| **Main advantage** | Reader-centric deployment | Add biometrics to existing panel architecture | Phased system modernization |

**Smart Bridge™ describes database integration; it does not by itself determine which device operates the lock.**



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