

Smart Locker Authentication Guide

RFID vs PIN vs QR vs mobile app vs face recognition

Designed for

IT, security, facilities, HR and procurement teams selecting locker access methods.

ERGO Hong Kong

Practical guidance for secure, scalable and user-friendly smart locker procurement.

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How to Use This Guide

Authentication should match the user population, security level, network policy and workflow. The most advanced option is not always the most practical; reliability and user support are equally important.

Quick Procurement Checklist

1	Identify permanent users, visitors, contractors and administrators.
2	Define required security level and whether two-factor access is needed.
3	Check existing staff cards, mobile policy and visitor-management processes.
4	Plan credential expiry, lost credentials and emergency override.
5	Test accessibility and user experience for all user groups.

1. Compare Access Methods

RFID card	Fast and familiar for employees	Lost or shared cards
PIN	No physical credential required	Code sharing and forgotten PINs
QR code	Excellent for visitors and one-time access	Phone availability and code expiry
Mobile app	Rich user experience and reservations	App adoption and phone policy
Face recognition	Hands-free identity verification	Privacy, lighting and consent
Biometric fingerprint	Direct user authentication	Hygiene and enrollment

2. Recommended Combinations

- Employees: existing RFID card plus optional PIN for higher security.
- Visitors: time-limited QR or one-time PIN.
- High-value assets: multi-factor authentication.
- Public collection: QR/PIN with automated expiry.
- Offline environments: local RFID/PIN with defined synchronization.

3. Security Tip

Authentication confirms the user; it does not automatically confirm which item was removed. Asset-level control may require mapped compartments, RFID or AI vision verification.

Relevant ERGO Hong Kong Pages

Use these pages to compare platforms, applications and customization options.

Smart Locker Systems Overview of secure intelligent locker platforms.	View online
Smart Locker Collection Browse RFID, PIN, biometric and app-access locker options.	View online
Custom Smart Lockers Custom sizes, compartment layouts and workflows.	View online
Smart Locker Infrastructure Software, network and management platform considerations.	View online
Smart Locker Systems Access methods and smart locker applications.	View online
Smart Locker Infrastructure Management and network architecture.	View online

Need help choosing a configuration?

Share your use case, number of users, device or item dimensions, workflow, access method, location and integration requirements. Our Hong Kong solutions team can recommend a suitable configuration.

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Important Note

This guide supports preliminary selection only. Final suitability depends on exact dimensions, user workflow, site conditions, network policy, safety requirements and integration scope. Confirm specifications and availability before ordering.