KoreLock™

EMBEDDED SMART LOCK PLATFORM

KoreLock provides ready-made embedded Smart Lock solutions that significantly accelerate time to market, limit development risk and reduce costs. Our technology has been tested and proven best-in-class for over 10 years. KoreLock's embedded technology is supported by our mobile apps, cloud service, and integration with the industry-leading RemoteLock platform.
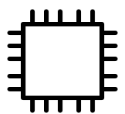
WIFI
Our patented WiFi technology allows direct connectivity to existing WiFi networks while sustaining up to 18 months of battery life.

BLUETOOTH
Secure Bluetooth functionality, including lock/ unlock, user management, settings, history and mobile credentials.

LOCK FIRMWARE
Deep access control feature set including access users, guest users, schedules, auto-lock & passage modes and other lock settings.

CREDENTIAL FLEXIBILITY
Support for multiple credentials types including pin codes, temporary guest codes, algorithmic codes, cards and mobile credentials.

SMART OFFLINE FUNCTIONALITY
Use our smart offline credentials including mobile credential and algorithmic PINs in non-connected environments.

SECURE ENCRYPTION
Industry-standard security technologies, including SSL/TLS, 2048-bit public/private key encryption, and secure registration flows.

www.korelock.com   8301 E Prentice Ave., Suite 215, Greenwood Village, CO 80111 USA

KoreLock

KORELOCK MODULE
FUNCTIONAL SPECIFICATIONS

Users (PINs & Cards)	Up to 3500
Audits	Up to 1,000 events stored on lock if offline.
Supported Credentials	User PIN, Temporary Guest PIN, Temporary Algorithmic PIN, Specific # of Uses PIN, and Mobile Credentials. Support for card credentials available (host hardware card reader required).
Passage Modes	Passage Mode and Auto-Lock Mode
Schedules	• Lock Schedule (lock/unlock weekly schedule) • Up to 40 Access Schedules (M-F, 9-5) • Up to 20 Access Exception/Holiday schedules • Passage Mode Schedules (alter between passage and auto-lock)
Programming	Via keypad, over BLE or WiFi
Lockout	Defaulted to 5 incorrect entries, field configurable
Hardware	Nordic Semiconductor nRF52840, Espressif Systems ESP32-S2-MINI-1
Communication Standards	• 2.4 GHz WiFi (IEEE 802.11 b/g/n) • WPA, WPA2 • HTTPS encrypted with TLS • UDP channel with AES-128 encryption • Bluetooth® low energy (version 4.2)
WiFi Connection Interval	Intermittent WiFi connectivity defaults to every hour and when keypad pressed. Connection interval can be adjusted between every 5 minutes to 1x per day. Always on connection possible with optional external power supply.
OTA (Over the Air Firmware Updates)	Available for WiFi and BLE modules via BLE (delivered by mobile app) and over WiFi
Security	Mutually-authenticated TLS 1.2 with 2048-bit keys.

Contact us and learn more. **info@korelock.com**
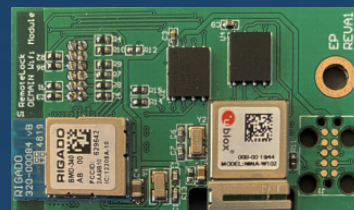
KORELOCK MODULE

Plug-and-play smart lock on a chip with full featured firmware, WiFi for cloud connectivity and BLE for local control.
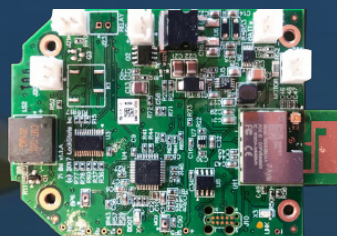
CUSTOM PCBs

Work with KoreLock to embed supported processor, BLE and WiFi modules onto custom PCB to fit specific hardware.

FIRMWARE LICENSE

Build your own PCB's with supported hardware and license KoreLock firmware and app support.