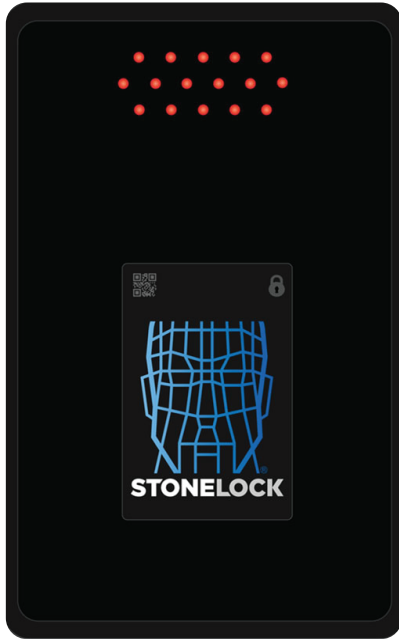# STONELOCK GO

We See People Differently

The StoneLock GO is a next generation biometric reader redefining security and authentication.

StoneLock® is an opt-in "faceless" recognition technology solution intentionally designed to protect users — by safeguarding their privacy without the use of photographs and eliminating the need to touch.

While an access card or password can be misplaced, shared, or cloned, the inherent properties used to authenticate users through StoneLock ensure that the only people accessing your facility are the ones who have been granted permission.

AT A GLANCE

- Completely contactless technology
- Faceless recognition protects user privacy without picture or video matching
- Universally compatible with all users regardless of gender, race, age or nationality
- Industry leading security, speed and accuracy
- Biometrics simplified: significantly reducing operational effort to deploy, operate and use
- Unparalleled anti-spoofing near infrared technology
- Best in class False Acceptance Rate (FAR)
- Seamless integration with top access control systems
- Extremely simple QR based reader programming, enrollment and two-factor authentication process

Simplified Enrollment
Utilize a QR code or a card swipe. Easy to read display will guide users through a simple and touchless self enrollment process.

Near-Infrared is the Key
Using state-of-the-art near-infrared sensors, StoneLock's readers scan and store unique templates of enrolled users that are unrecognizable outside of the StoneLock system.

IdentityCare
Proprietary algorithm replaces an enrolled user's face with a mathematical representation. The StoneLock solution does not store any images.

Stonelock Gateway V3
The third generation of the Gateway provides a complete biometric-centric credentialing and user management solution that supports a highly available, fully secured, seamless movement of biometric templates between StoneLock GO readers. In addition, the Gateway delivers versatile integrations with the leading access control systems.

STONELOCK GO

TECHNICAL SPECIFICATIONS

Facial Recognition Modes	1:N and 1:1
False Acceptance Rate (FAR)	<0.0004%
Stand Alone Capacity (Local Verification)	1:N 1,000 users, 1:1 20,000 users
Connected Capacity (Gateway Verification)	50,000 users
Recognition/Reading Speed	Card & Face < 10ms, Face only < 1 sec
Enrollment Speed	< 20 seconds
GO Readers Per Gateway	128
Embedded Reader	QR Code Scanner
Reader Output	Wiegand, OSDP compatible with a Reader expansion module sold separately
Lock Status	Dry contact
Tamper	Optical
GO Reader Power Requirements	POE IEEE802.3af
Network Security	TLS 1.2 and AES 256-bit Encryption
Size	7.6" x 4.8" x 1.5"
Mounting Height	48" to the bottom of the reader
Environment	Indoor, out of direct sunlight

SYSTEM DIAGRAM
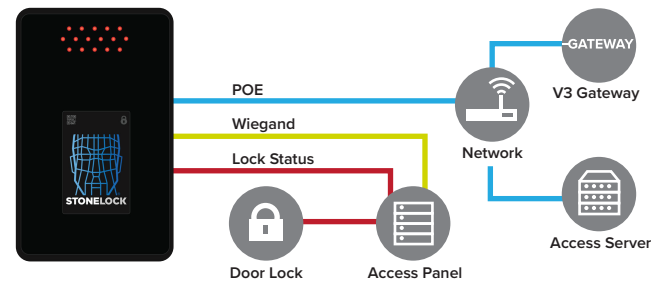
SYSTEM REQUIREMENTS

Minimum System Requirements	Processor: 64-bit, 2-cores, 2.0+ GHz RAM: 4 GB Disk Space: 15 GB
Recommended System Requirements	Processor: 64-bit, 4-cores, 2.0+ GHz RAM: 16 GB Disk Space: 50 GB
Operating System Compatibility	Ubuntu 18.04.x LTS (virtualization supported)
Required Ports	80: Web Client 443: Web Client 8080: Web Server 8050: Database Service 1883: MQTT 9999: Debug

ORDERING INFORMATION

GO	GO facial reader, wall mount, indoor. Includes connectors, mounting bracket and mounting screws. Requires PoE power.
REM	Reader Expansion Module for the GO facial reader with cabinet. Includes removable terminals and standoffs. Requires PoE+ or an external power supply.
GWY - HW	Hardware Appliance pre-loaded with Gateway Software. Includes one 3rd party integration license and updates for one year.
GWY - SW	Gateway Software. Includes a 3rd party integration license and updates for one year.