DIGITAL KEYS

5G-IoT Smart Padlock Presentation

April 2024

Compare Access Control Systems

	NB-IoT	Wi-Fi/BLE	RFID Keycard
Timed Access Control	✓	✓	✓
Internet Connected	✓	✓	✗
No set up costs	✓	✗	✗
No onsite power	✓	✗	✗
No onsite equipment	✓	✗	✗
Long battery life	✓	✗	✗
Many locks 1 account	✓	✗	✓
Mobile Network security	✓	✗	✗

4 methods of unlocking

Keycard unlock

Time-sensitive PIN unlock

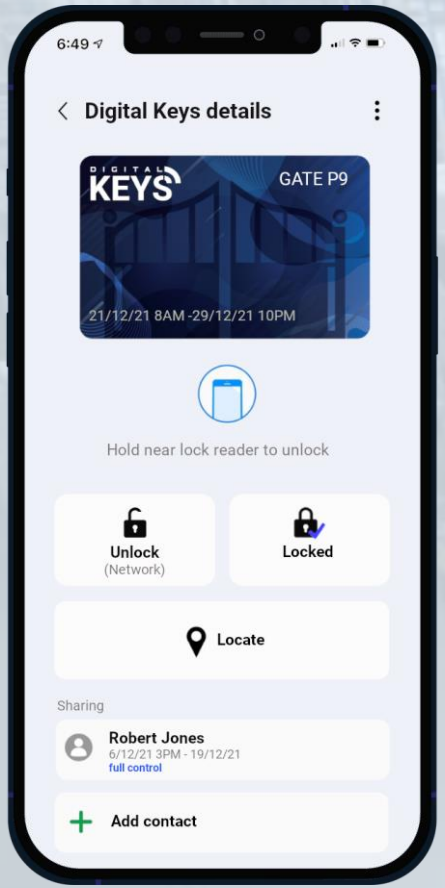
Software unlock over 5G-IoT network

Unlock with Digital Keys app*

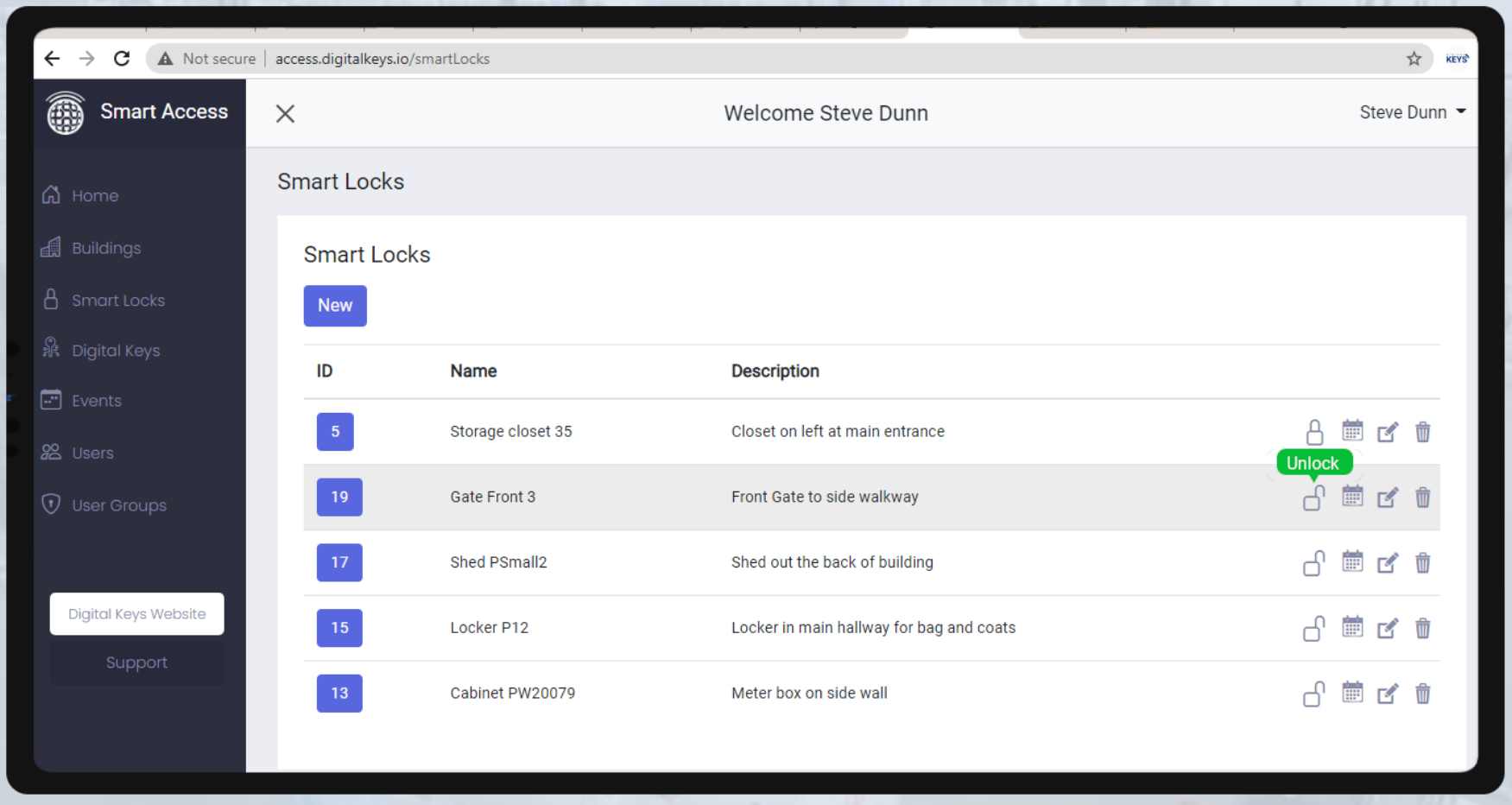
Certifications

CE IP67 RoHS COMPLIANT EN 60529

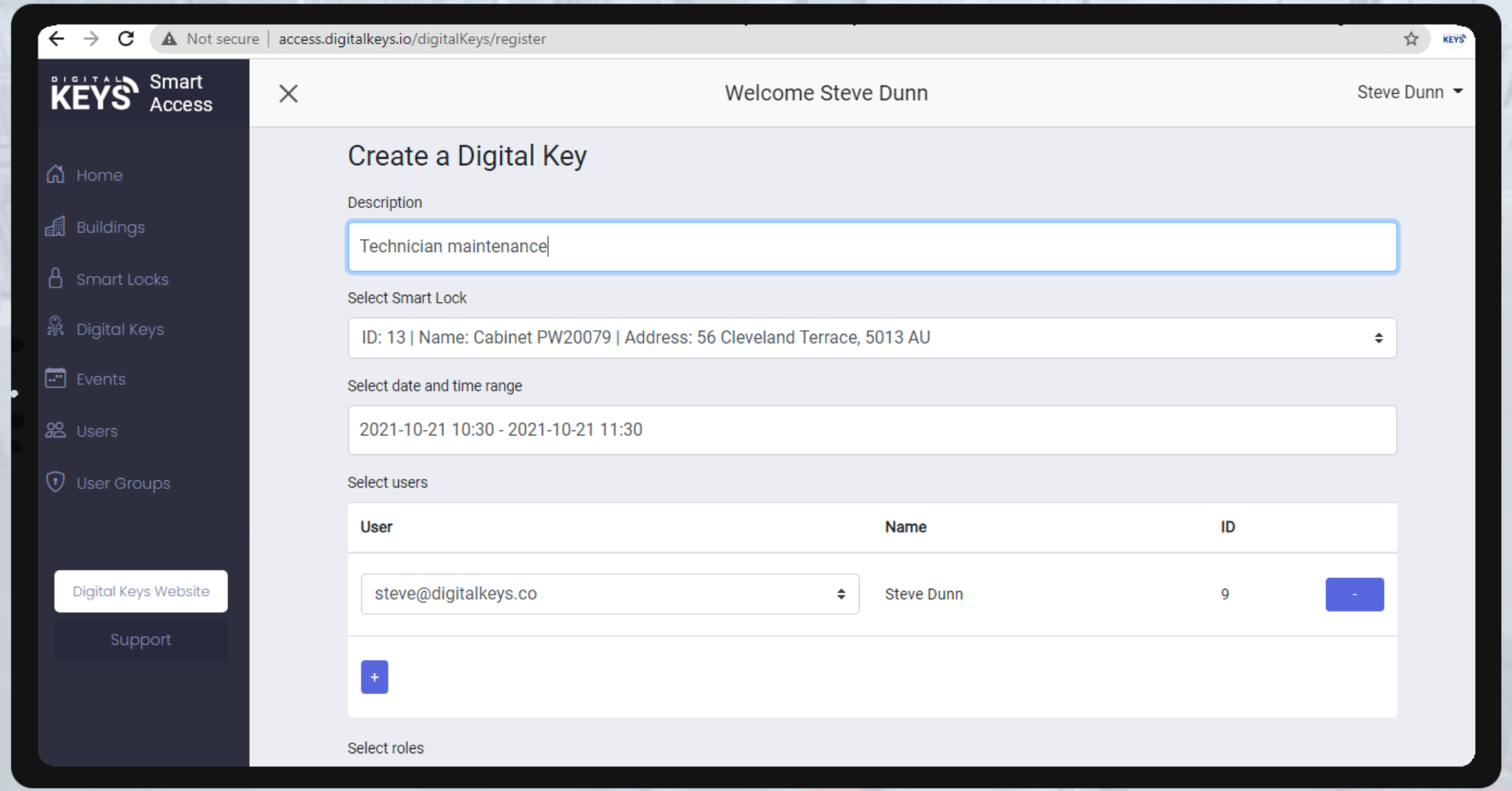
*5G-IoT network is used once to program lock for time-sensitive unlocking with specific users



Digital Keys App unlock
(5G-IoT/NFC)



Smart Access Management Software



Smart Access Management Software

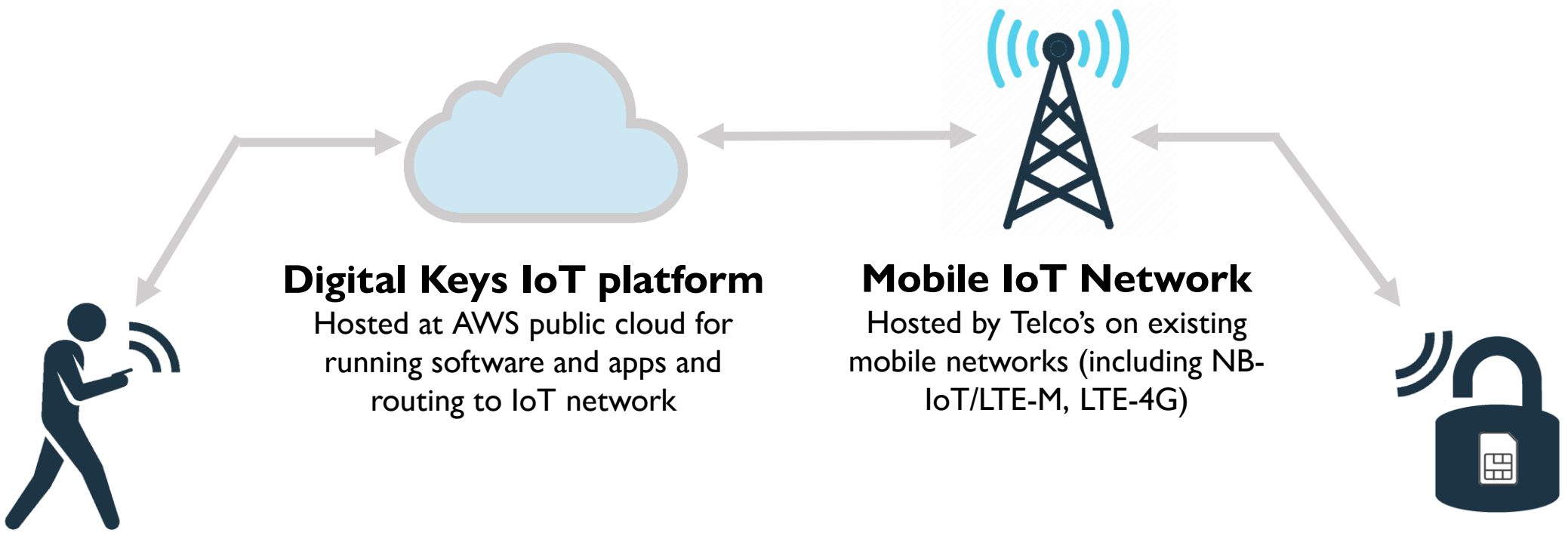
Designed to last

In-built iSIM card and Telit 310G module (modem)

Weatherproof casing with armored glass numberpad

2 x 18650 Li-on batteries
Approx 2 years battery life

How it works



Digital Keys IoT platform
Hosted at AWS public cloud for running software and apps and routing to IoT network

Mobile IoT Network
Hosted by Telco's on existing mobile networks (including NB-IoT/LTE-M, LTE-4G)

Users
Use DigitalKeys smartphone apps and Smart Access Management Software for controlling access

Digital Keys Smartlocks
In-built SIM card means it connects wherever there is mobile network coverage

5G IoT smart padlock
Connected access for anywhere without Wi-Fi

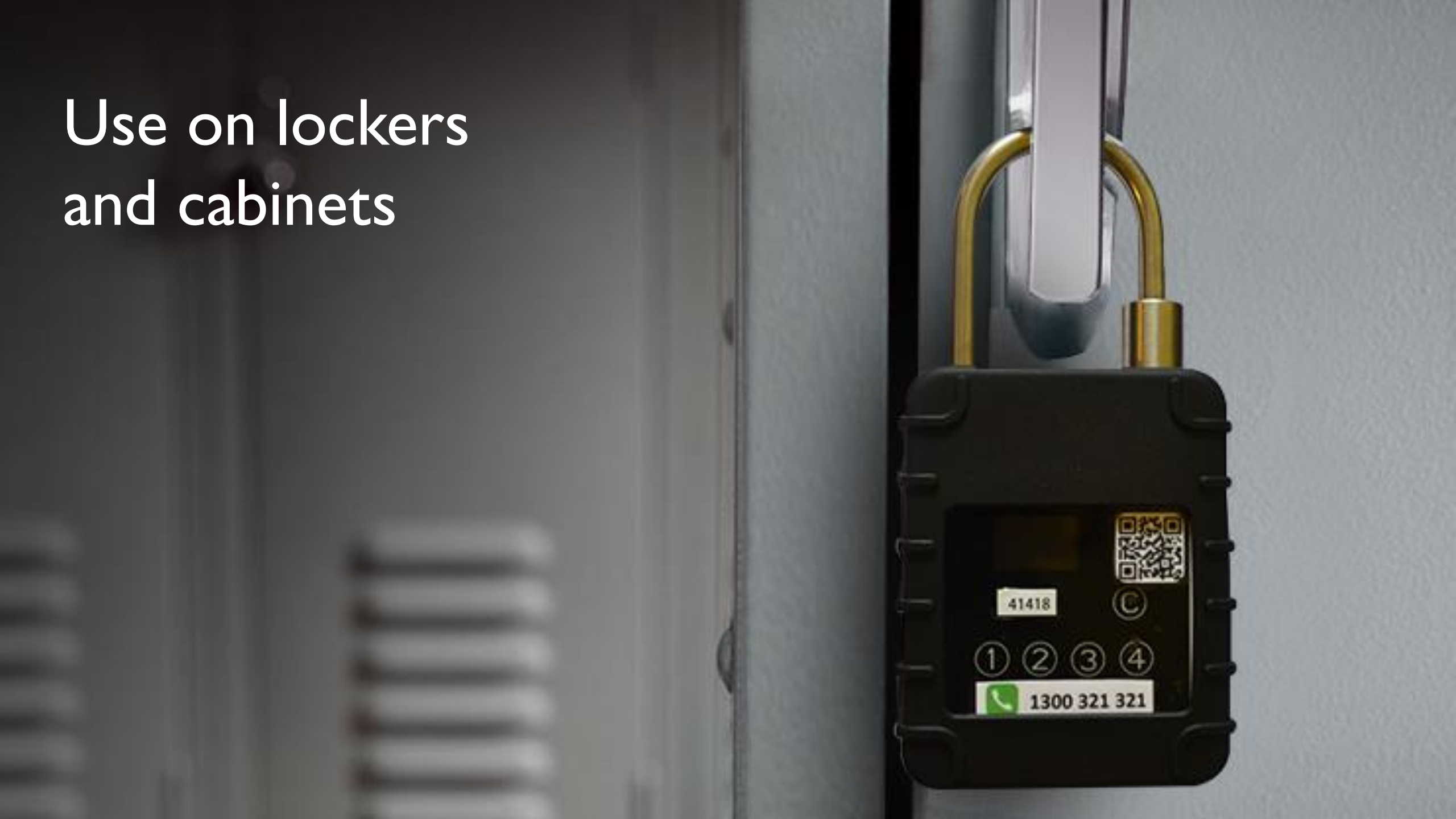
For distributors

1. Resell hardware and SaaS
2. Bundle with your existing products for increased sales
3. Create new IoT partnership opportunities
4. Open new revenue streams (e.g SLA's, install fees)
5. Enter new markets

For end users

1. Improve security of assets
2. Save time and money by removing metal key management
3. Meet Government regulations and compliances (e.g OH&S, PCI)
4. Increase visibility (know who is where at anytime)
5. Capture data and add AI

Use on lockers and cabinets



Use on gates

Use on meter boxes

Features

NB-IoT Module

Telit 310G supports 5G-IoT, LTE-M, CAT-M, and 2G/3G fallback

iSIM card

Embedded or with holder. Provided by MNO integrated to SIM provisioning platform

Over-the-Air Updates

Updates firmware configurations over the internet directly to smartlock

Event notifications

Live event notifications so you always knows who opened which lock at what time

Certified

Meets 3GPP release 13 and 14 for NB-IoT devices - completed certification testing

Anti-tampering alarm

Motion sensor detects any unusual movement or force

Warranty

5 years on software and hardware in addition to 24hr tech support

Inbuilt acoustic alarm

If thief attempts to break open, sounds audible alarm/sends phone alerts

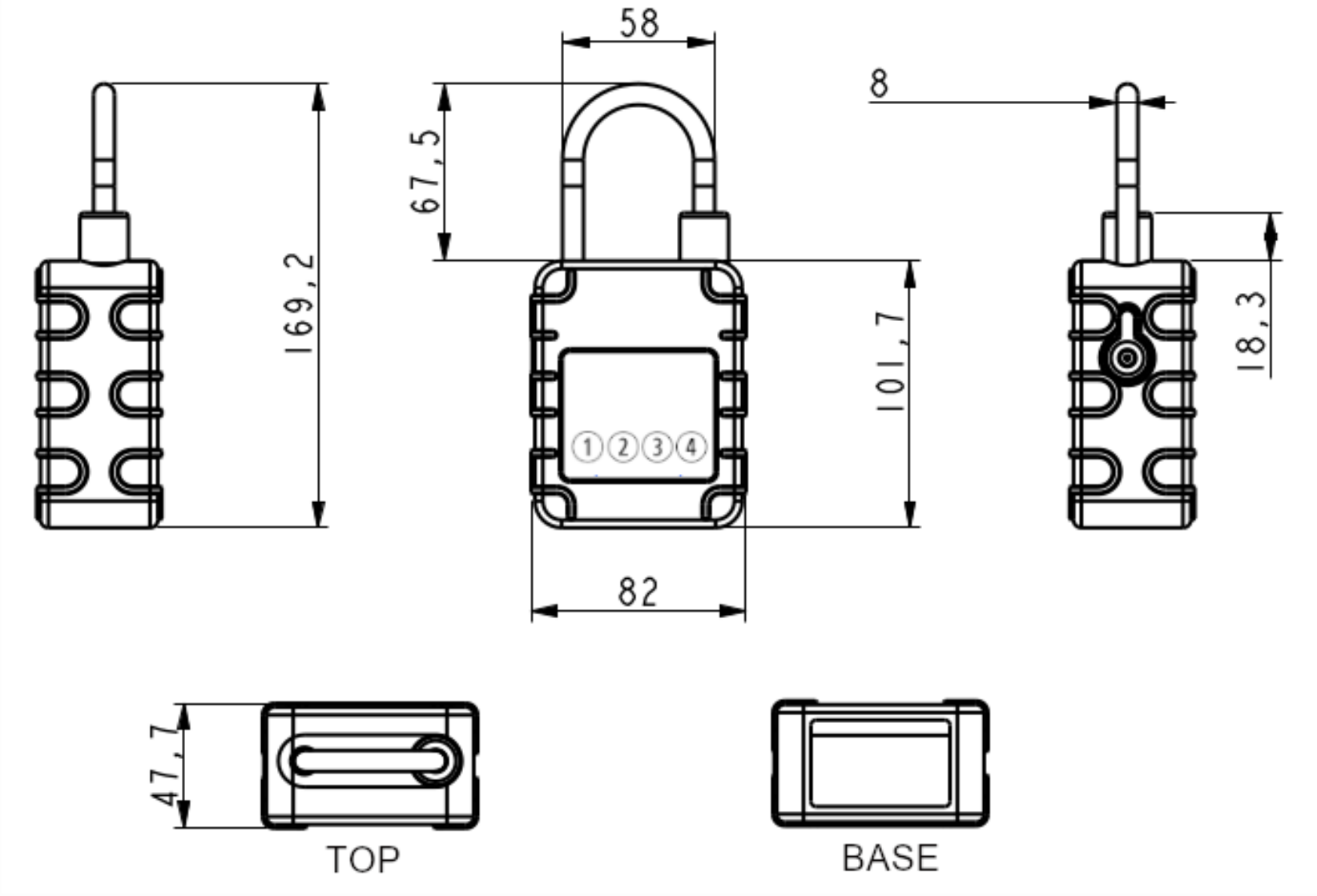
Management Software

Customer facing access management software packed with features

Smartphone app

Time-sensitive digital keys unlocking over 5G-IoT network. App also shows live events, status

Size



Specifications

Device Type
5G-IoT smart padlock

Materials
Stainless steel casing, Armoured glass numberpad

Communications
NB-IoT/LTE-M Network. Fallback 4G/3G with Telit 310G1WW module and nano IoT SIM card (built-in)

Batteries
2 Li-ion batteries (18650 2500mAH 3.7V) (approx 5 years life (5 activations a day)

Dimensions
H169mm x W 82mm x D 47.7mm

Latency
Approx 2-5 seconds.

Software
Digital Keys Smart Access Management - cloud based software account (hosted at AWS

Unlocking methods
Digital Keys app (iOS) and Android - download for free from app stores; NFC cards, cloud-based software, time sensitive PIN

Requires
1-2 year connectivity plan $3 per month (paid annually)

Warranty
1 year (can be extended to 5 years)

For more information

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https://www.digitalkeys.io/