



cellbedell

Smart building
access control solutions



Mobile Access Control

Mobile access control in Commercial Use



✦ Key Advantages

- **Seamless Convenience** – Eliminate the hassle of issuing or collecting physical cards.
- **Enhanced Security** – Instantly update, change, or revoke access rights anytime.
- **Complete Visibility** – Track exactly who entered, when, and where.
- **Smart Integration** – Connect effortlessly with visitor management, surveillance, and alarm systems for a unified security solution.

For Occasions:

- **Office Building**
- **Co-working space**
- **Multiple rental building**
- **Data center/Storage**

How It Works :

- **Admin Setup** → Assign access via cloud dashboard
- **Mobile App** → Tenants & visitors use the access app
- **Tap & Connect** → Phone communicates via BLE / NFC / QR Code
- **Unlock** → Identity verified, door opens instantly



Office Building

Turnstile & Gate Integration

Components	Functions
Turnstile Gate	Physical entry equipment such as swing gates or tripod turnstiles.
Access Controller	Manages mobile credential verification and controls gate operations.
Mobile Access App	Provides user credentials (BLE, NFC, or QR code).
Network Module (Optional)	Enables remote control and API integration with TCP/IP support.
Relay Module	Powers and triggers gate opening.



Check In Kiosk System

iPad-based Kiosk / Tablet Self-Check-In System

Key advantage	Description
Compact Size	Uses iPad with a small stand — no bulky kiosk required.
Cost-Effective	No need for expensive controllers or built-in systems. Simply use an iPad.
Quick Installation	Plug in and connect via Wi-Fi — no wiring or complex setup needed.
Multi-Function Support	Compatible with NFC scanning, QR codes, photo ID, facial recognition, and card modules.
Cloud-Ready	Seamless integration with Firebase, Web API, access control, and visitor systems.
Modern&Stylish	Sleeker than traditional kiosks, with a stronger tech appeal — perfect for reception areas or entry points.

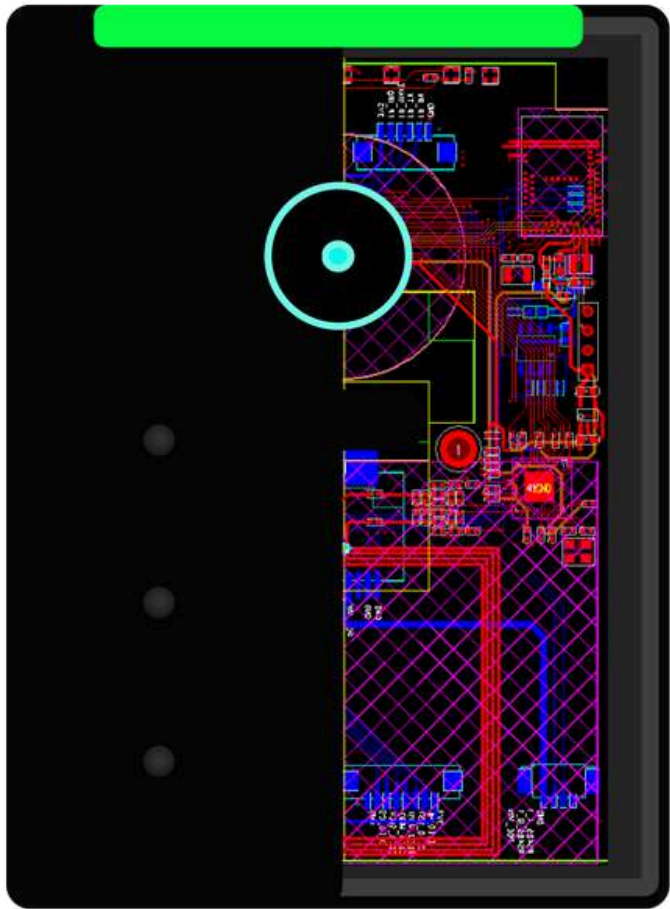


CARD DISPENSER (NO HOST PC , PLUG&PLAY)

NU1 Max (G2) –Front board

Front board for access control function

Feature/Component	NU1 Max (G2) front board
Bluetooth Module 5.0	Bluetooth 5.0 module
Power	PoE (Power over Ethernet)
NFC	NFC antenna
QR Code Module (Optional)	QR Code unlocking
Keypad (Optional)	Keypad unlocking
HomeKit	Apple HomeKit integration
Wallet QR Code	Wallet QR Code unlocking (iOS / Android)
OLED Display (Optional)	OLED screen
Voice Module	Voice interaction module
Fingerprint Module (Optional)	Fingerprint recognition module
Tamper Switch	Anti-tamper protection switch



NU1 MAX(G2) Main Board

NU1 Max / Main board for access control function

Component	Description
wifi	Default setting and unlock, Time renewal
Power	12V/2A
12V Powered Relay	Operates with 12V supply, ensures reliable gate control.
Dry Contact Relay	Non-powered relay that provides potential-free signal switching.
Gesture Switch connector	Connector for gesture-based switch input.
Warning Light connector	Connector for visual alarm or status indicator.
PoE Front Panel Port	PoE interface for powering and connecting front panels.
Multi-Door Control	Supports up to 3 front panels for extended access points.
Remote Control Port	2.4G wireless remote control interface.



NU1 Max



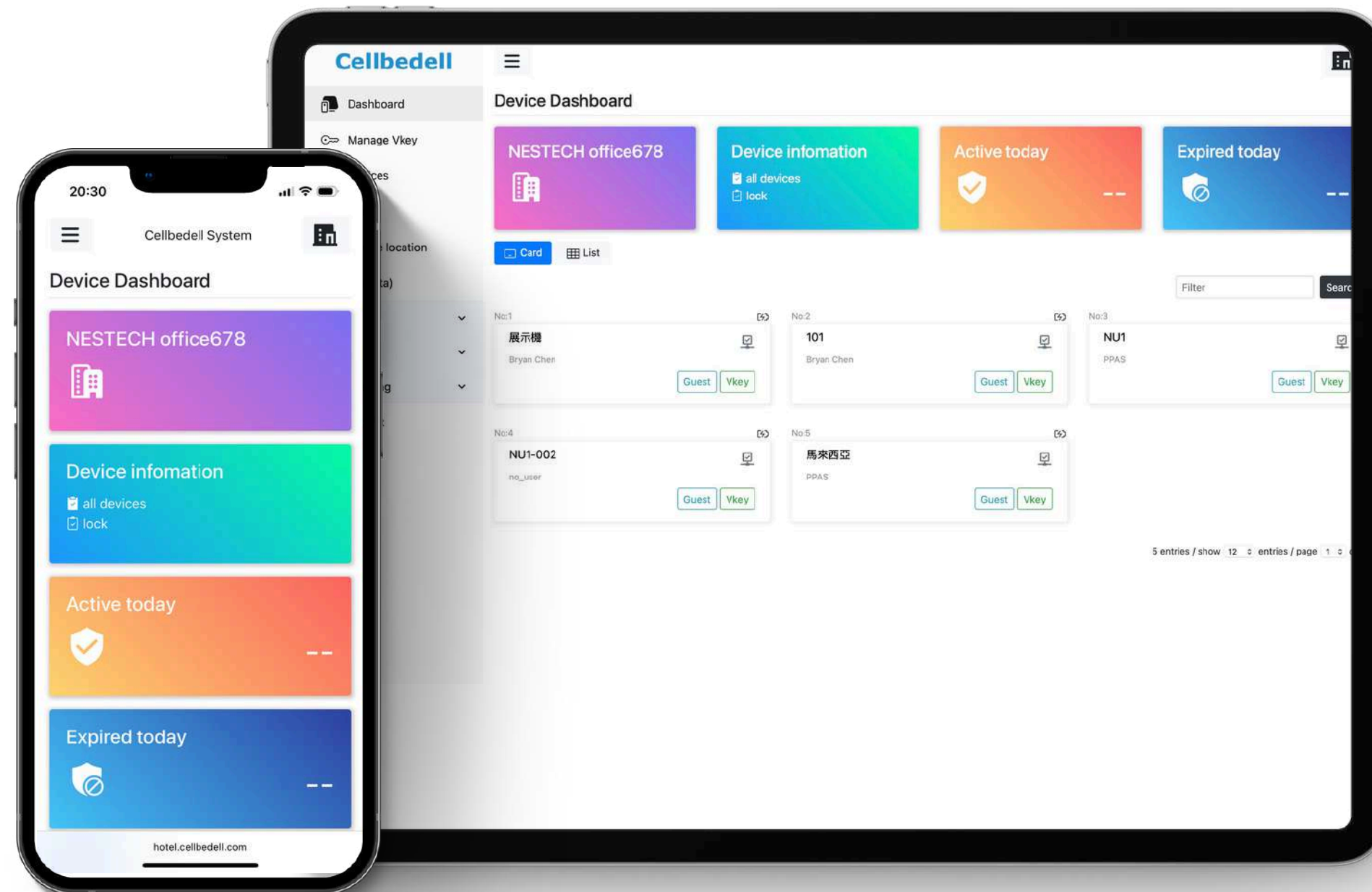
cellbedll web dashboard

<https://hotel.cellbedell.com/dashboard.php>



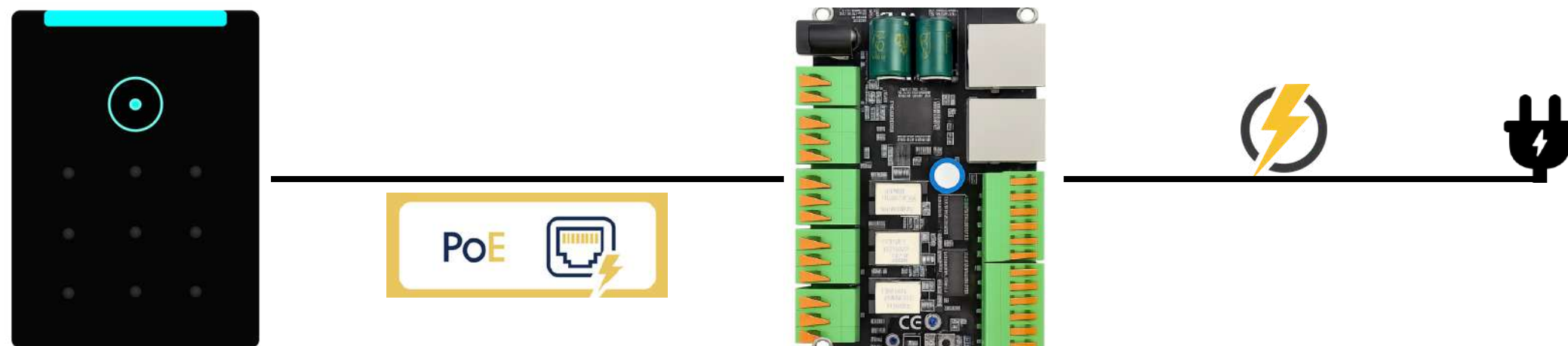
Functions

- ✓ Manage credentials online
- ✓ Wallet Pass management
- ✓ Record analysis
- ✓ Electronic Name card



No PC Required

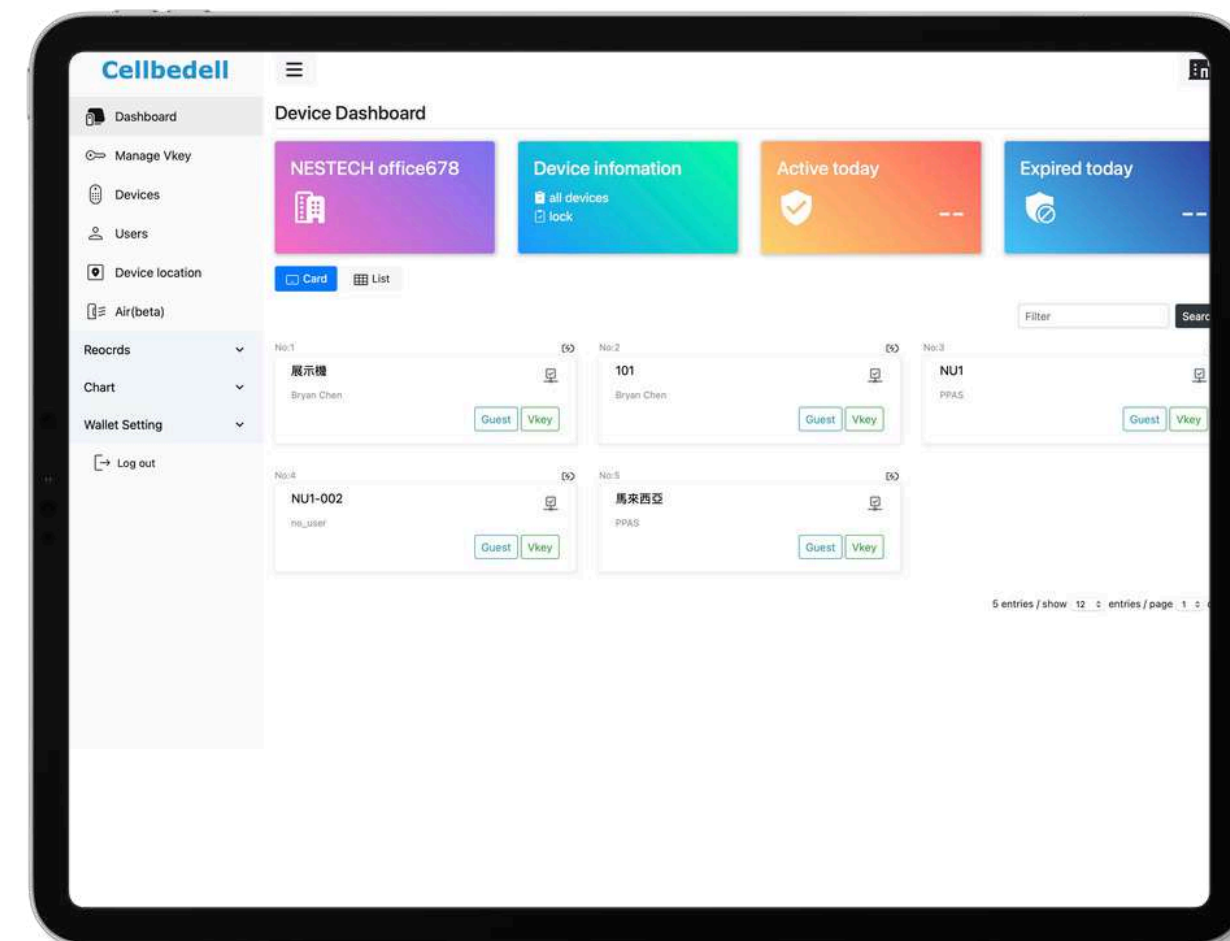
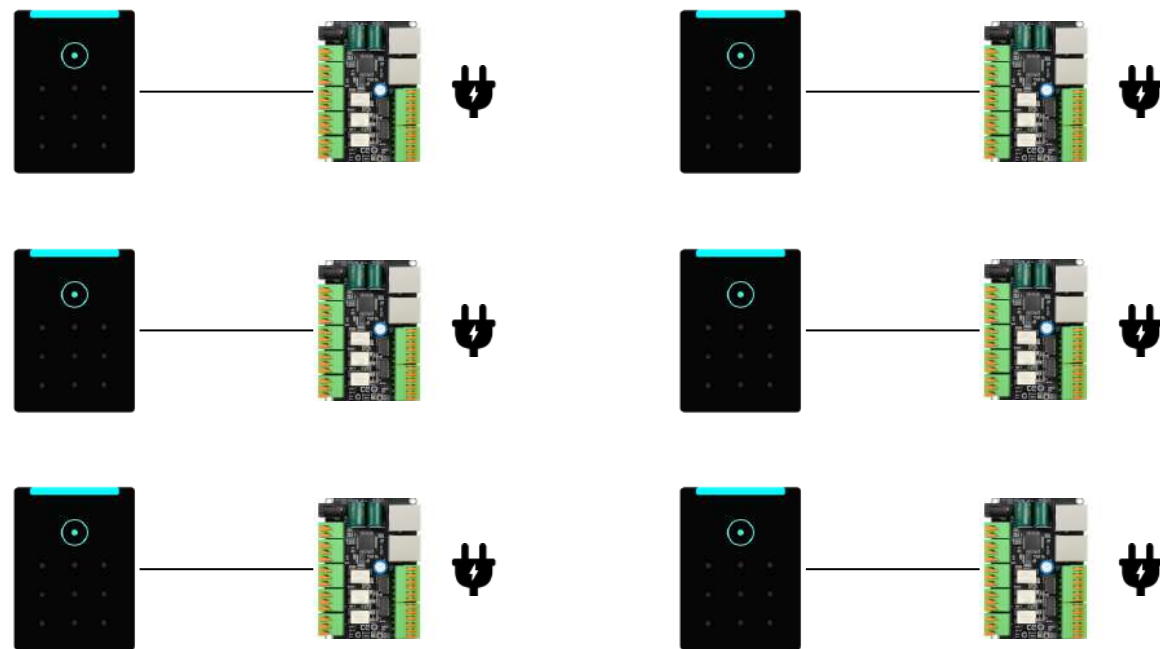
Plug and play, no host PC required,
Compatible with Multiple devices



Wireless Structure

Wireless Architecture Design

Cloud-based server with true plug-and-play. Even with multiple devices, no host controller is required.



Manager APP

Bluetooth setting on theirs
cellphones (iPhone&android)

CellHost Manager APP

- Device Management – Add and configure new hardware devices with ease.
- User Management – Register and manage users through a centralized dashboard.
- Permission Control – Instantly issue access rights, including Entry Keys and Check-in Keys, to authorized personnel.

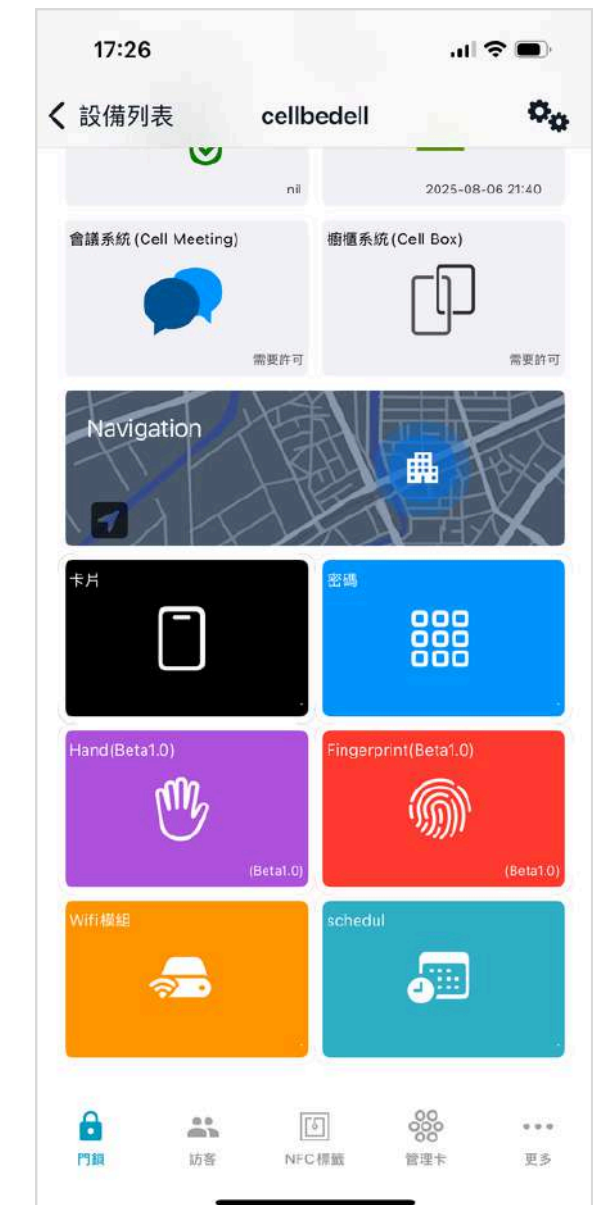
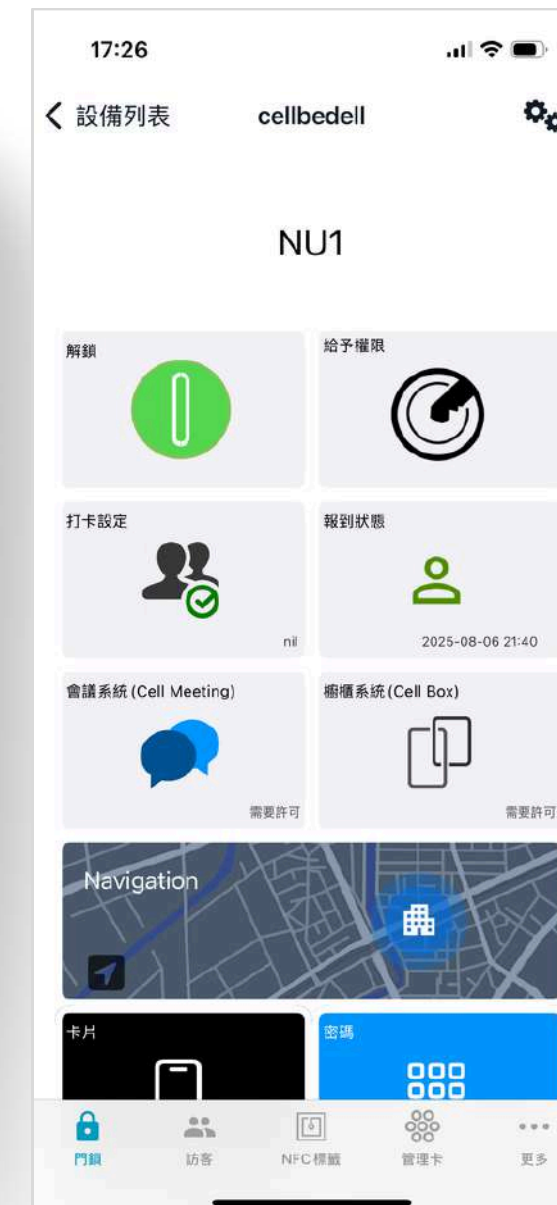
Scan to download!



CellHost
iOS



CellHost
android



Visitor APP (Optional for Membership)

Usually for specific visitors like employees/VVIP

CellVkey (Visitor)

- Check-in Key - Convenient mobile key for attendance and time tracking.
- Virtual Access Key - Works seamlessly with hardware access control systems.
- Wallet e-Business Card (Optional) - Digital business card integration for professional networking.

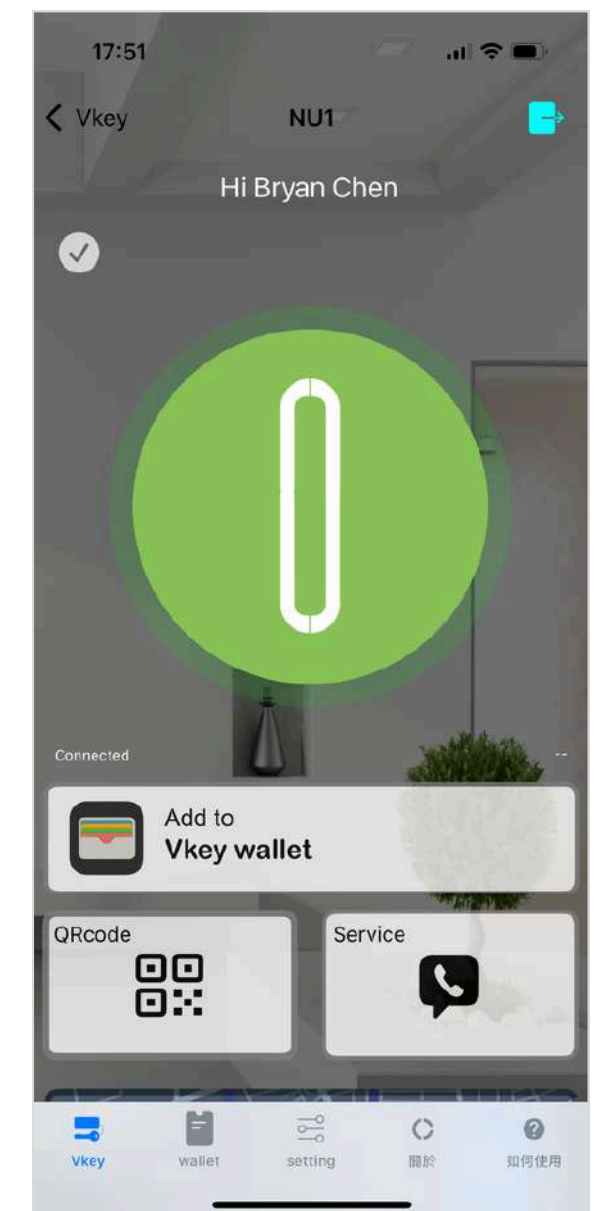
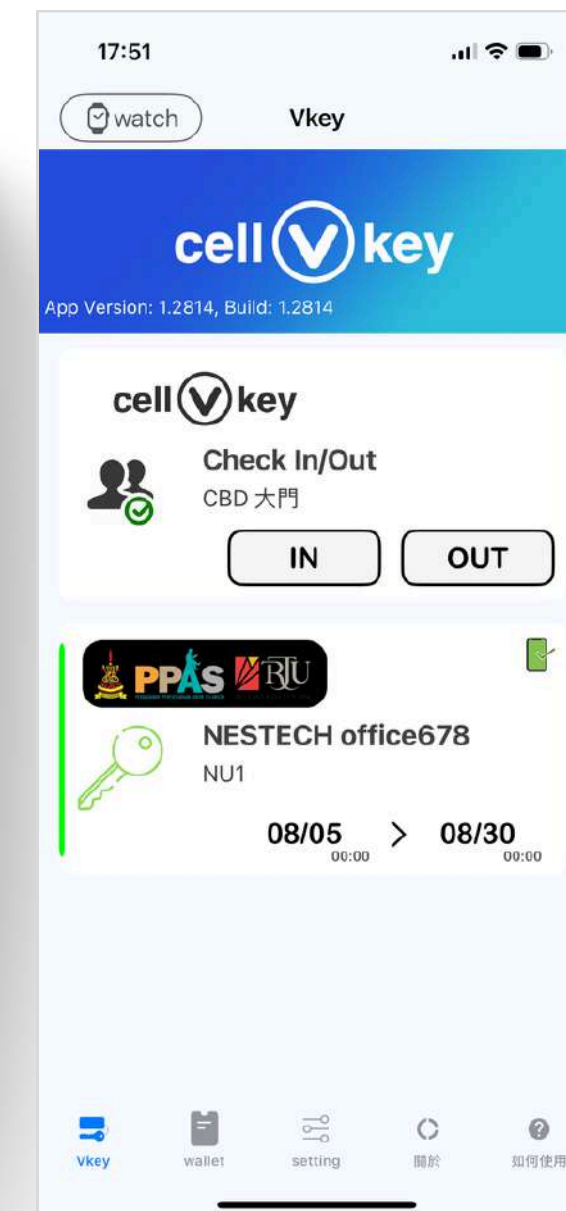
Scan to download!



CellVkey
iOS



CellVkey
android



Manager

Issue pass card on the GO!



**Create Digital NFC Access Cards
Directly with your smartphone's NFC function.**

Manager

Recurring Schedule

Automate access by time and day



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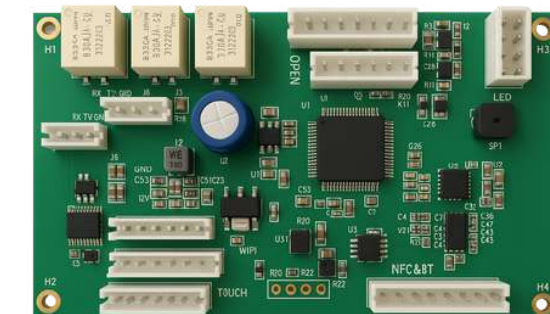
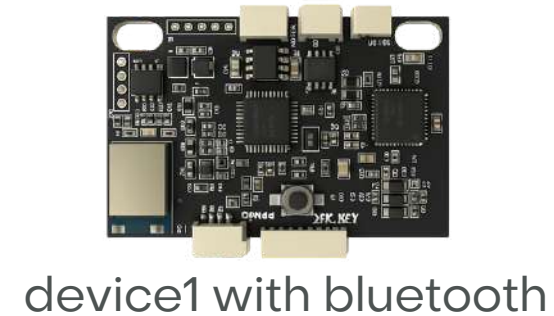
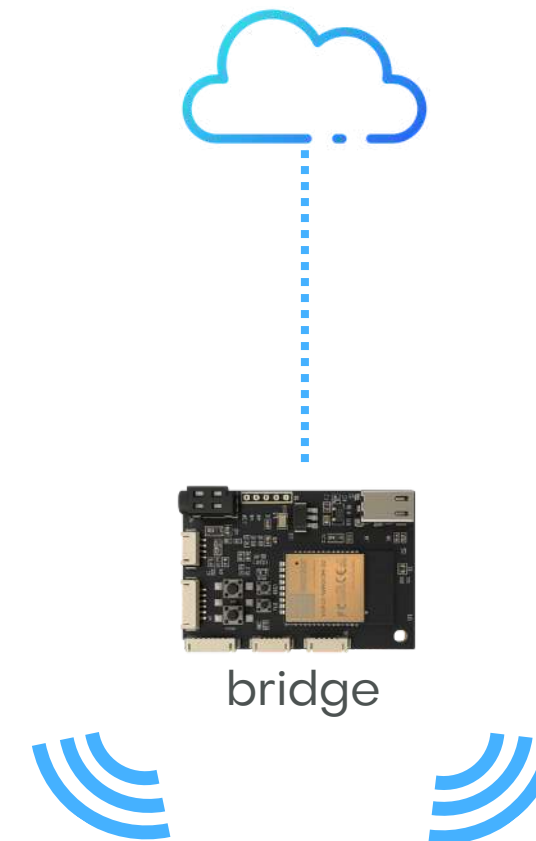
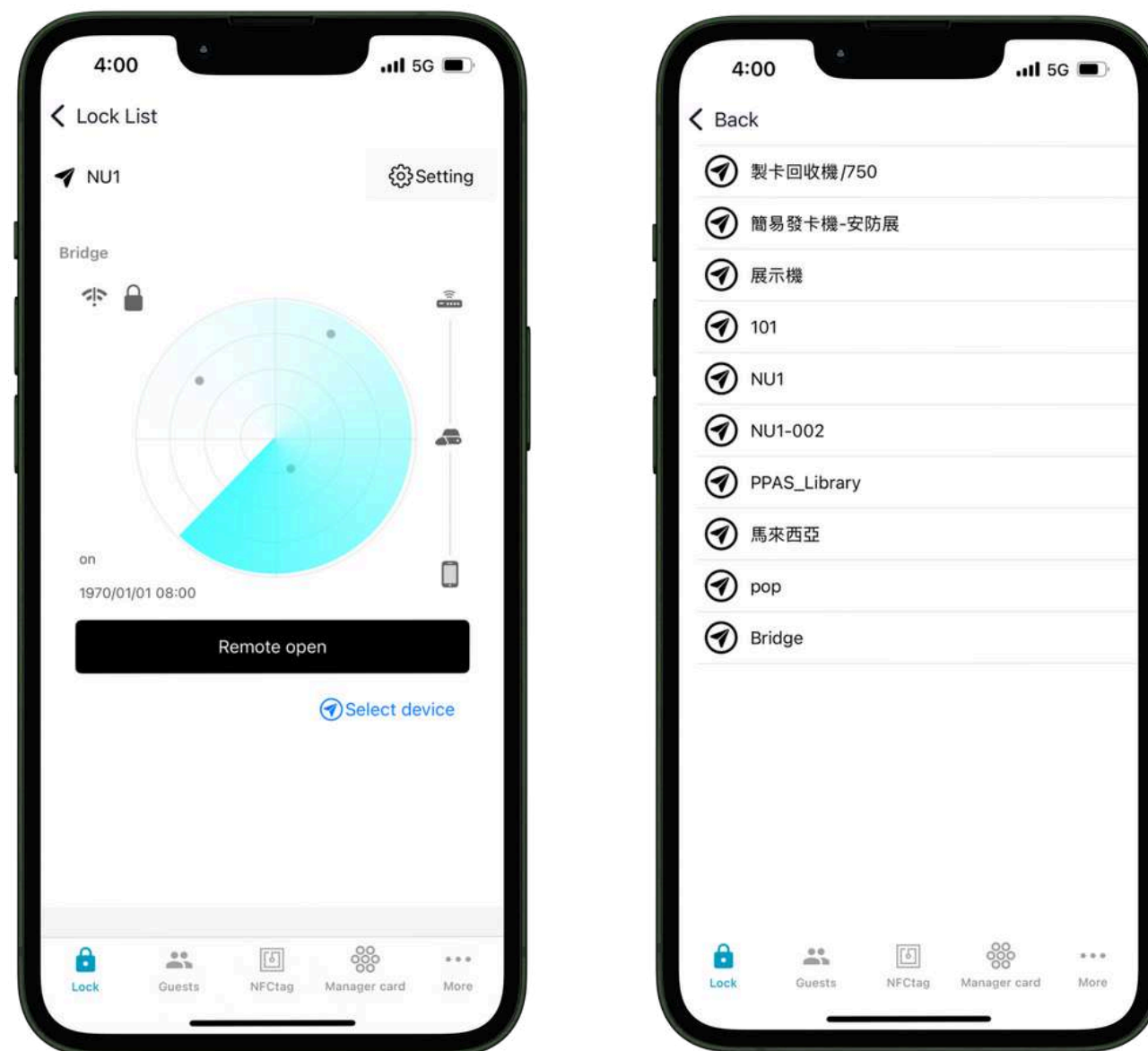


Scheduled Open Periods

Configure "Always Open" times based on usage cycles.

Bridge

Bridge Device Enables remote configuration and remote unlocking. A single bridge can communicate with multiple devices for centralized management.



Cell Vkey

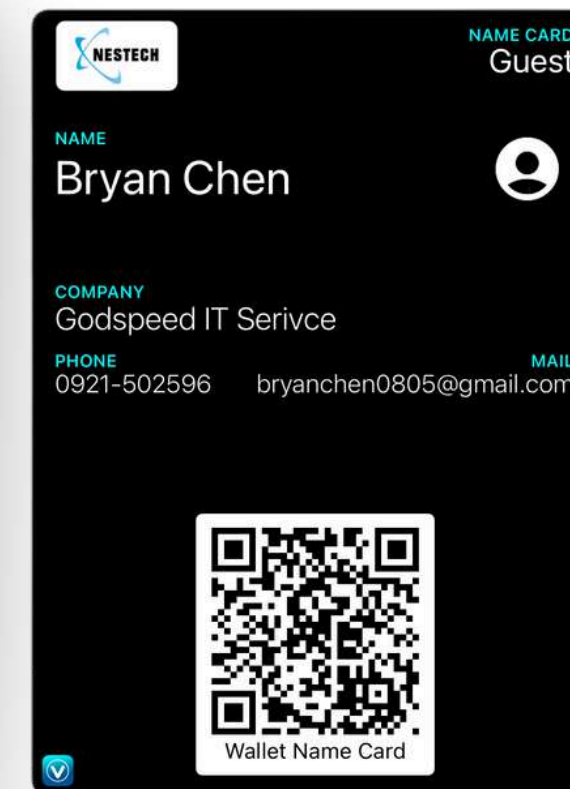
Customizable Wallet Design

Administrators can design a company-exclusive wallet pass by applying the corporate logo and brand colors.

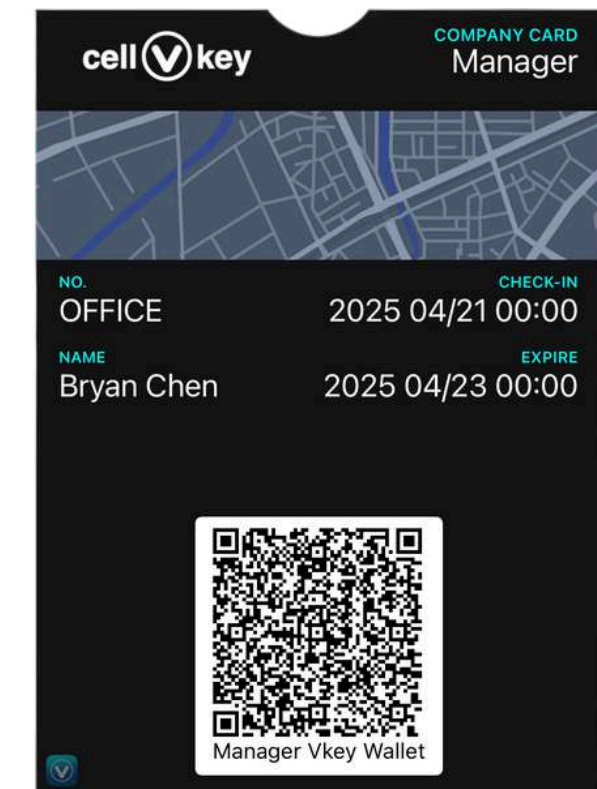
- ✓ wallet name card
- ✓ wallet access card
- ✓ digital key



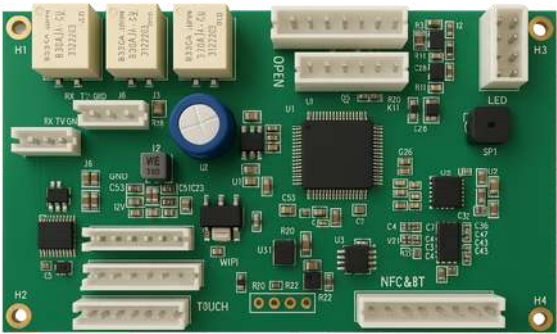
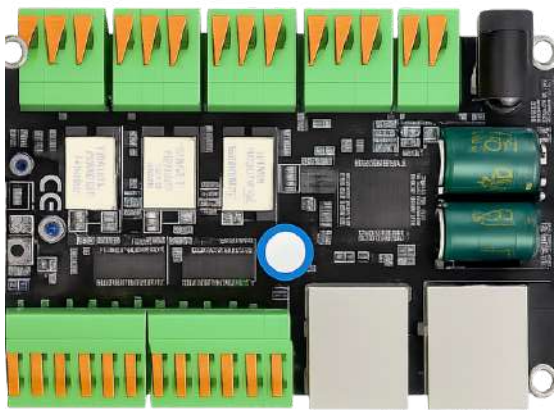
name card



access card



NU1 Series Main board SPEC



Functionality	NU1 Max Main Board (G2)	NU1Main Board (G1)
wifi module	Embeded wifi for Default setting /unlock/Time renewal	Plug-in wifi module for Time renewal
Power Supply	12V/2A	12V/2A
12V Powered Relay	Electronic Control Component / 12V	X
Dry Contact Relay	Electronic Control Component	Electronic Control Component
Gesture Switch	Gesture Switch connector	Gesture Switch connector
Warning Light	Warning Light connector	X
POE	PoE interface for powering and connecting front panels.	X
Multi-Door Control	Supports up to 3 front panels for extended access points.	1 front panel
Remote Control Port	2.4G wireless remote control interface.	X

Smart lock main board SPEC

information

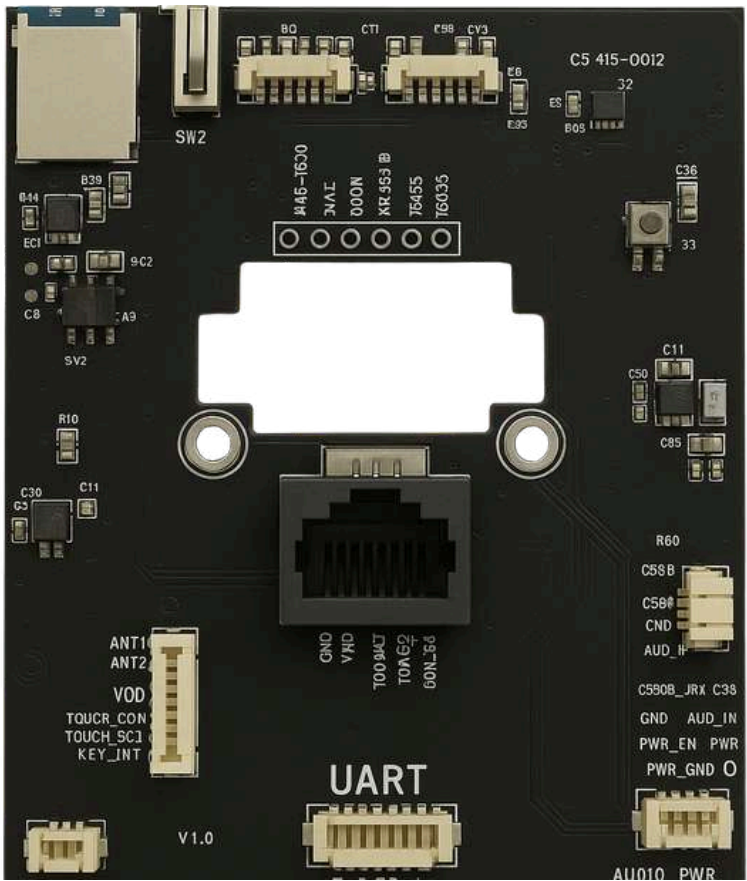
Component	Feature
Bluetooth Module 5.0	Unlocking & configuration
Power	6V (4 × alkaline batteries)
NFC	NFC unlocking
QR Code Module	QR Code unlocking
Keypad (Optional)	Keypad unlocking
HomeKit	Apple HomeKit integration
Wallet QR Code	Wallet QR Code unlocking (iOS / Android)
Standby Time	Up to 1 year



NU1 Max (G2) Front board SPEC

Feature/Component	NU1 Max (G2) front board
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Bridge Board SPEC

Feature/Component	bridge
Dual-Mode Wi-Fi / Bluetooth	Supports both Wi-Fi and Bluetooth connectivity
Power	5V (USB Type-C)
PM2.5 Port (Optional)	External PM2.5 sensor interface
TVOC Port (Optional)	External TVOC sensor interface
mmWave Port (Optional)	External mmWave sensor interface
Relay Port (Optional)	External relay interface





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