

Control Your World: Intelligent Cloud-Based Access Control

Secure, Scalable, and
Serverless Management for
the Modern Enterprise.



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Power By
Google Cloud



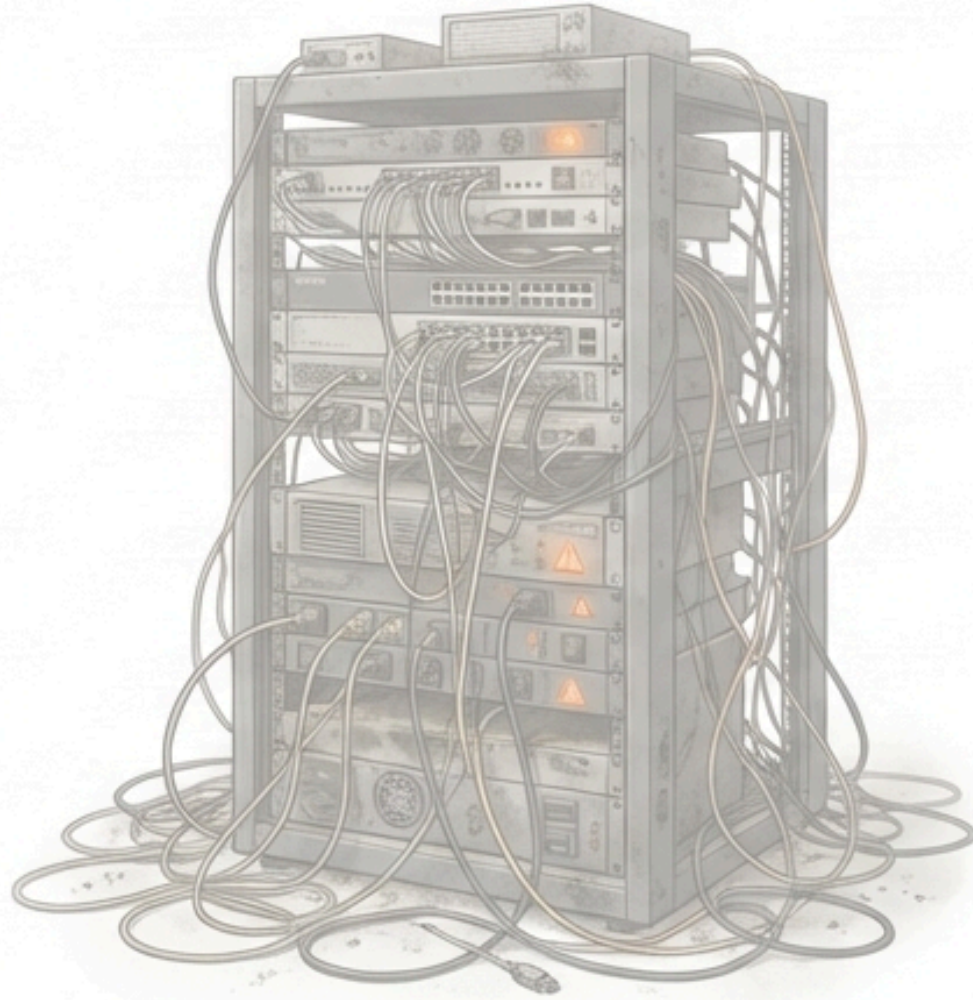
MADE IN
MALAYSIA



NUVEQ SMART IOT ACCESS CONTROL

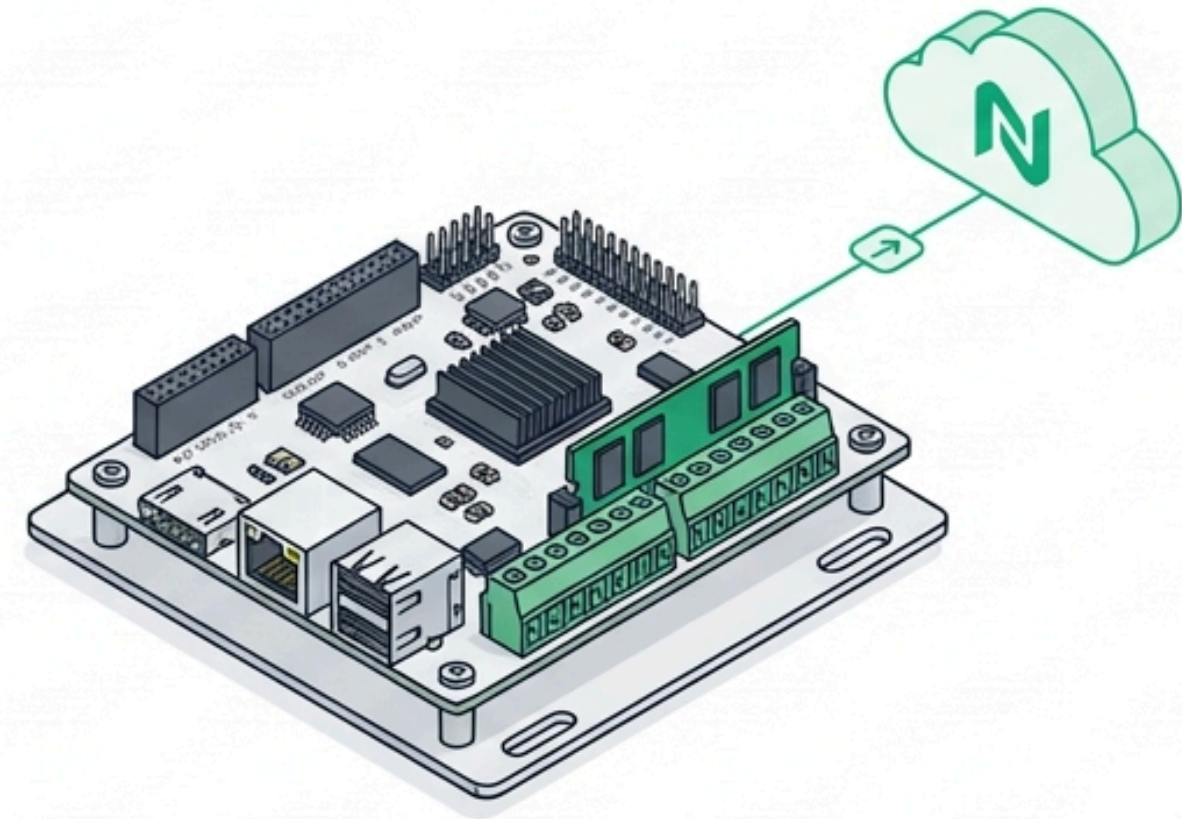
The IoT Advantage: Redefining Physical Security

The Legacy Burden



- × Expensive on-premise servers and workstations.
- × Complex port forwarding and network configurations.
- × Downtime associated with manual updates.

The NUVEQ Standard

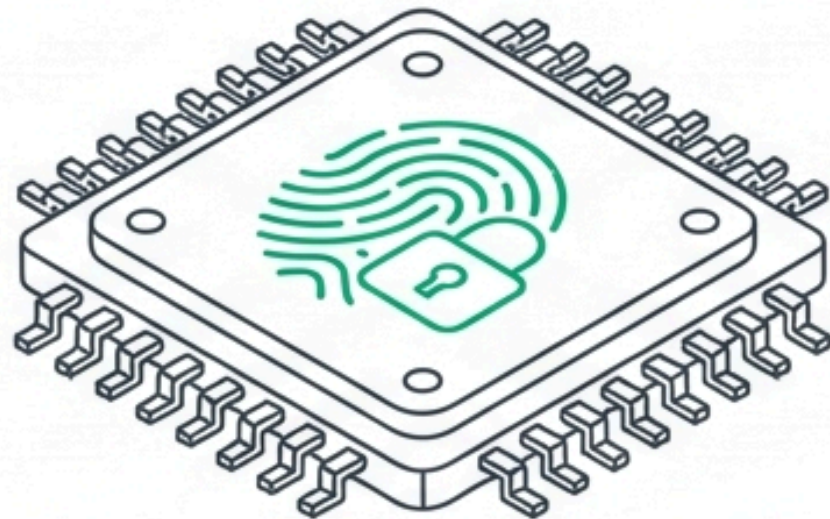


- ✓ **Plug & Play:** Doors come online and configure in minutes.
- ✓ **No Servers Required:** Eliminates hardware maintenance and software complexities.
- ✓ **Over-the-Air (OTA) Updates:** Automatic firmware updates keep systems secure without site visits.
- ✓ **Dynamic IP:** Ethernet connection with no on-site IP configuration required.

The Smart IoT Controller

Advanced edge computing meeting the power of the Cloud.

Secure Device Identification

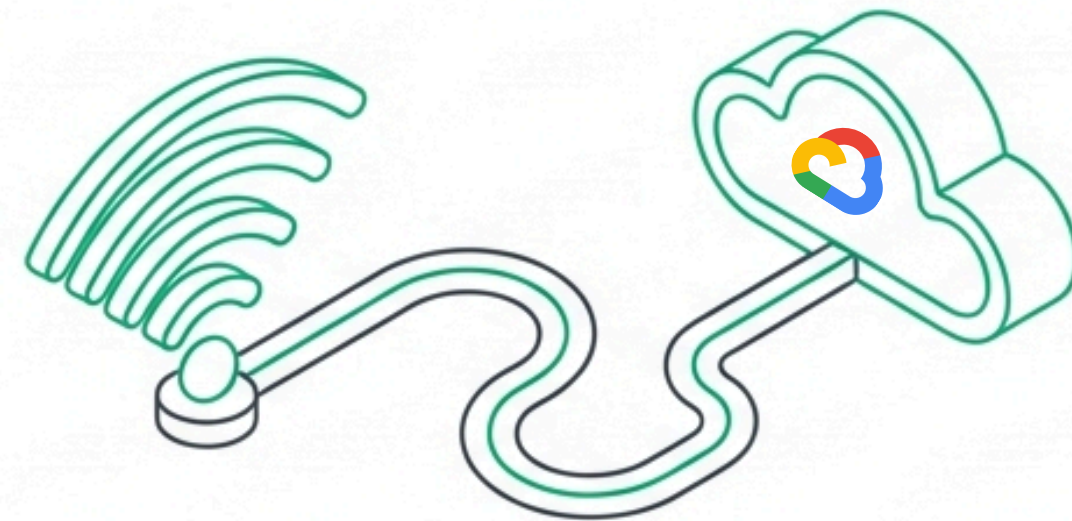


Uniquely identified by MAC address.

Ethernet connection with Dynamic IP (DHCP).

Zero-touch configuration: No local static IP setup required.

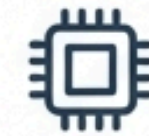
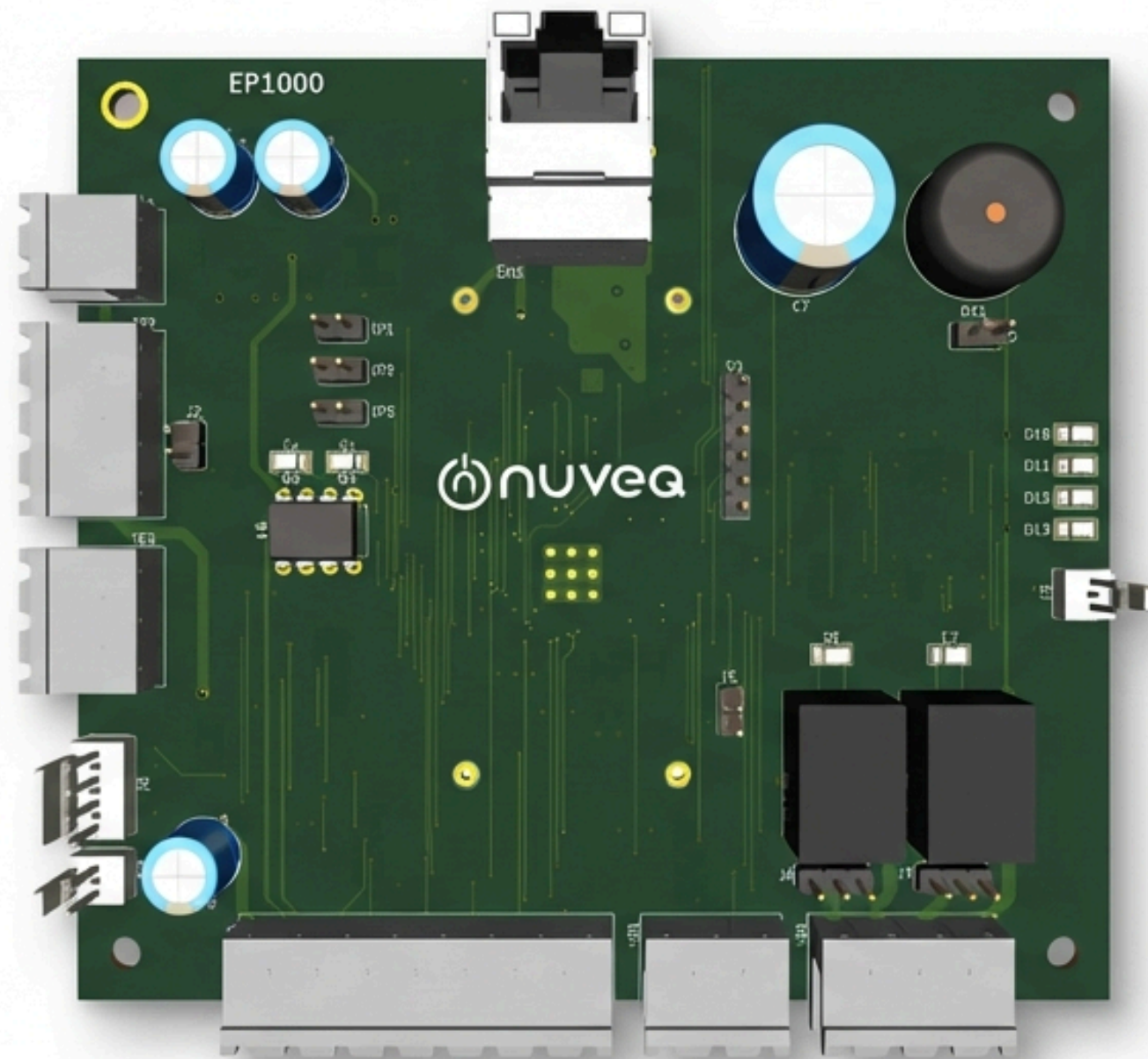
Connectivity



Seamless connection to the Google Cloud Platform.

Remote management from smartphones or computers anywhere.

EP-1000C: The Efficient Standard



Processor: ARM Cortex M33 Trust Zero MCU @ 200 MHz



Capacity: 1 Doors / 2 Readers



Memory: 60,000 card users, 80,000 transaction buffer

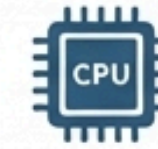
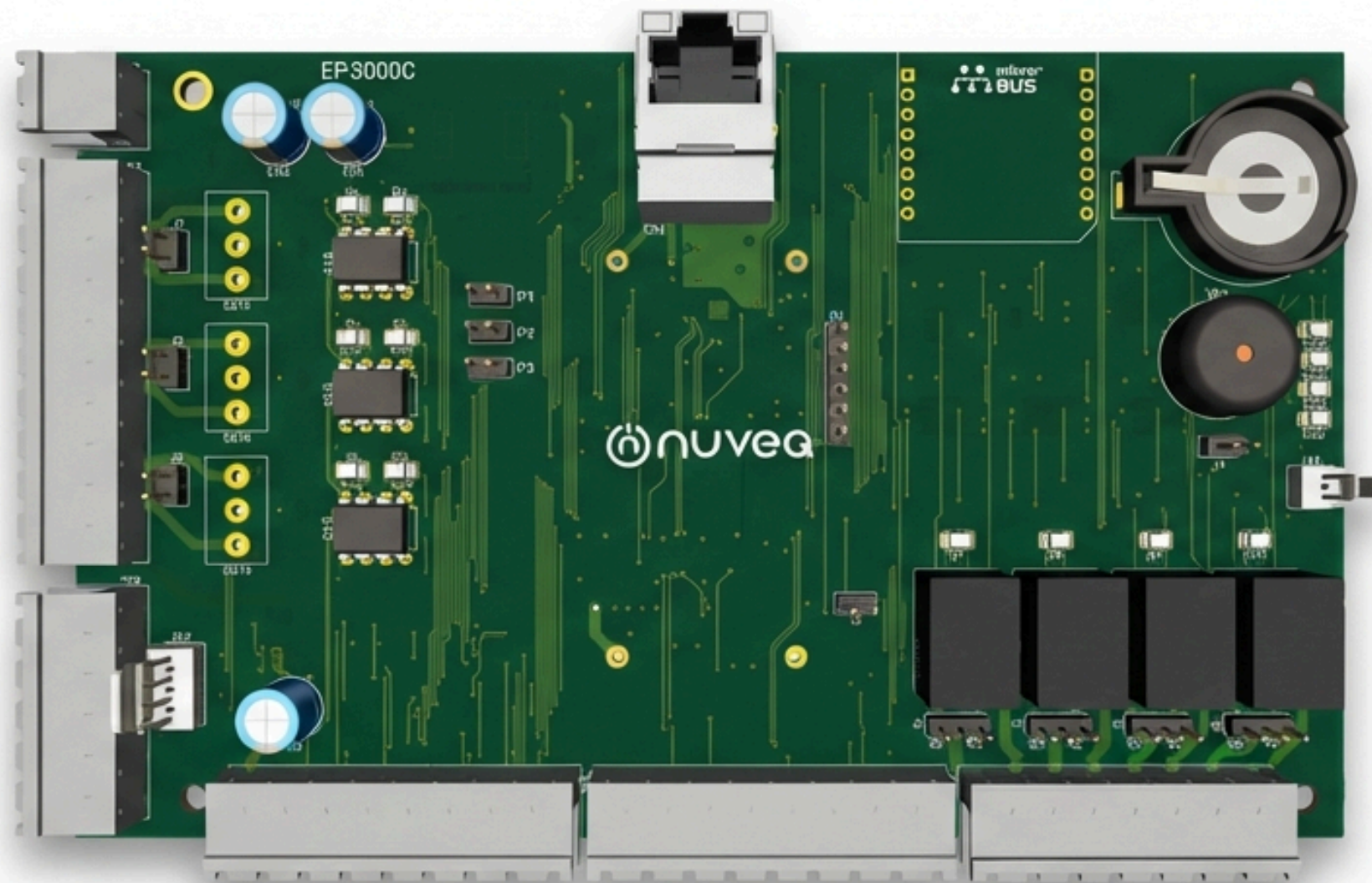


Storage: 64Mb high-endurance storage with 100-year data retention



Verdict: Best For: Standard deployments requiring speed, efficiency, and robust security.

EP-3000C: Built for Scale



Processor: STM32 ARM Cortex M4 (32bit) @ 150 MHz



Capacity: 130,000 card users, 130,000 transaction buffer



4 Relays, Expandable up to 256 inputs/outputs via EP-1610 board



Special Modes: Elevator control (up to 80 floors) and Barrier mode



Capacity: 2 Doors / 4 Readers

Best For: High-density environments, elevator control, and industrial complexes.

Technical Showdown: Selecting Your Controller

Feature	EP-1000C	EP-3000C
Processor	ARM Cortex M33 (200 MHz)	ARM Cortex M4 (150 MHz)
User Capacity	60,000 Users	130,000 Users
Transaction Buffer	80,000 Events	130,000 Events
Reader Support	Wiegand/OSDP(Max 2 readers)	Wiegand/OSDP(Max 4 readers)
Encryption	AES 256 Encrypted (via reader)	AES 256 Encrypted (via reader)

Common Standards: Both support CE, RoHS, UKCA, EN55832, EN55835, IEC61000 compliance.

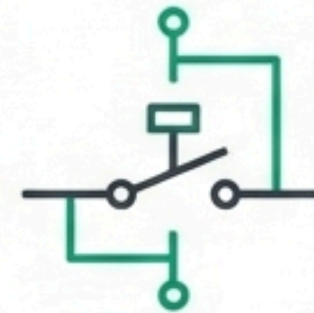
Inputs & Interconnectivity

Universal compatibility with building infrastructure.



Reader Formats

Wiegand 26, 34, 44 bit
OSDP(2.2.2) support



Direct Inputs

2 x Door sensors, EP-3000C
2 x REX(Request to Exit), EP-3000C
4 x General purpose inputs



Safety Inputs

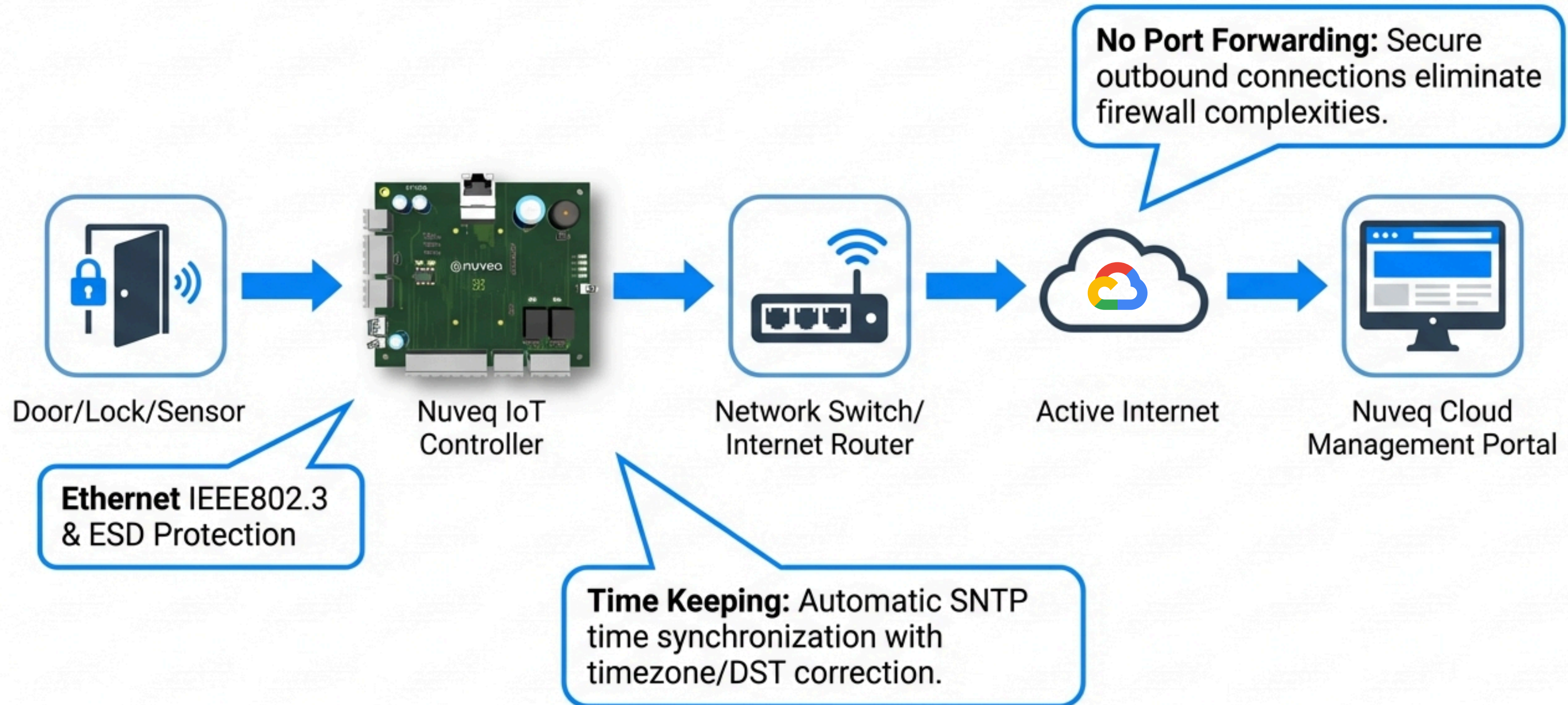
Dedicated Fire Alarm input
(unlocks doors automatically in
emergency)



Protection & Expansion

3 Configurable inputs for Tamper,
Power Failure, and Low Battery
detection.
Scalable up to 256 Alarm
Inputs/Outputs via EP-16I0 modules.

Seamless Connectivity Architecture



Uncompromising Security & Reliability



Cloud Infrastructure

Hosted on the Google ULTRA SECURE Cloud Platform.



Offline Operation

Local database ensures fully functional access control even during internet outages.



Power Redundancy

EP-1000C: Supercapacitor backup for Realtime Clock (RTC).

EP-3000C: Battery backup (CR2032) with 5-year memory retention.



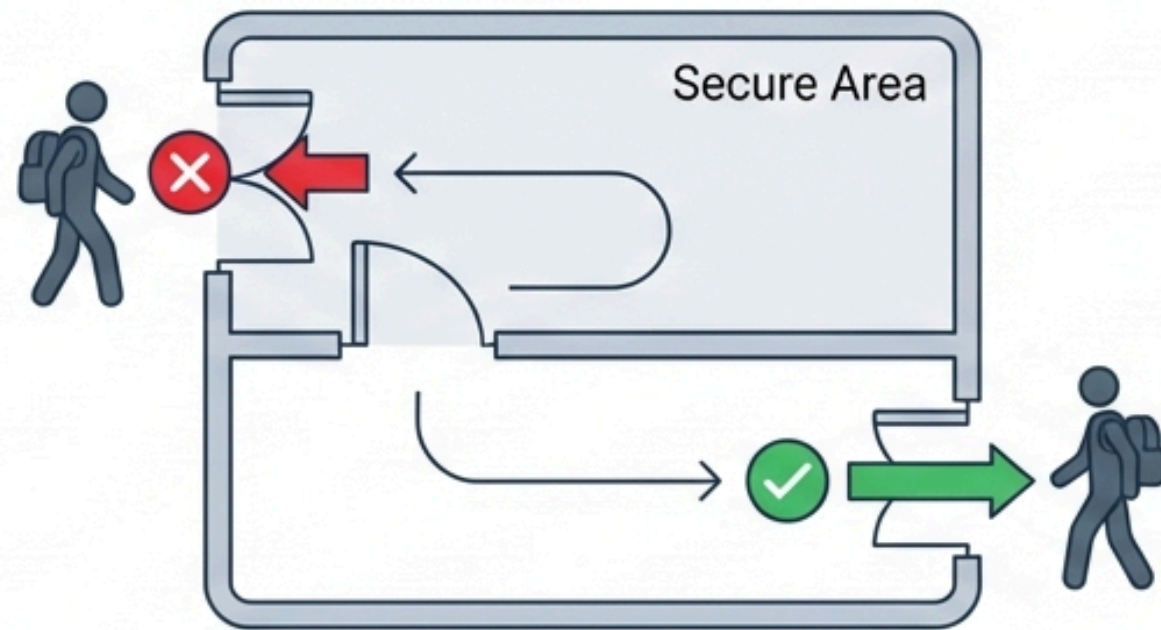
Compliance

CE, UKCA, RoHS, EN55032, EN55035, IEC61000.



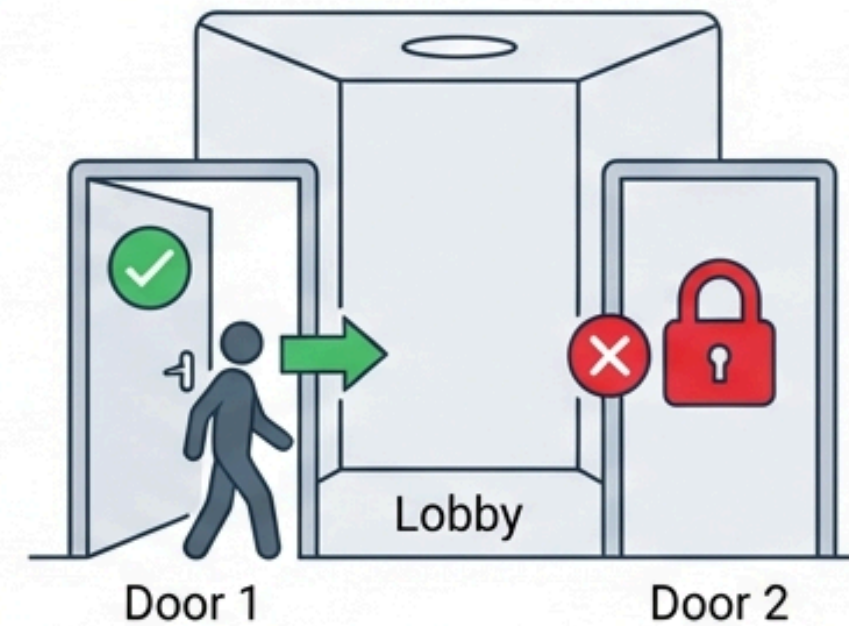
Advanced Access Logic

A. Anti-Passback



Prevents unauthorized access and tailgating (Local & Global APB).

B. Door Interlocking






Vestibule logic-allows only one door to be open at a time for high-security cleanrooms or secure vaults.



The Management Layer

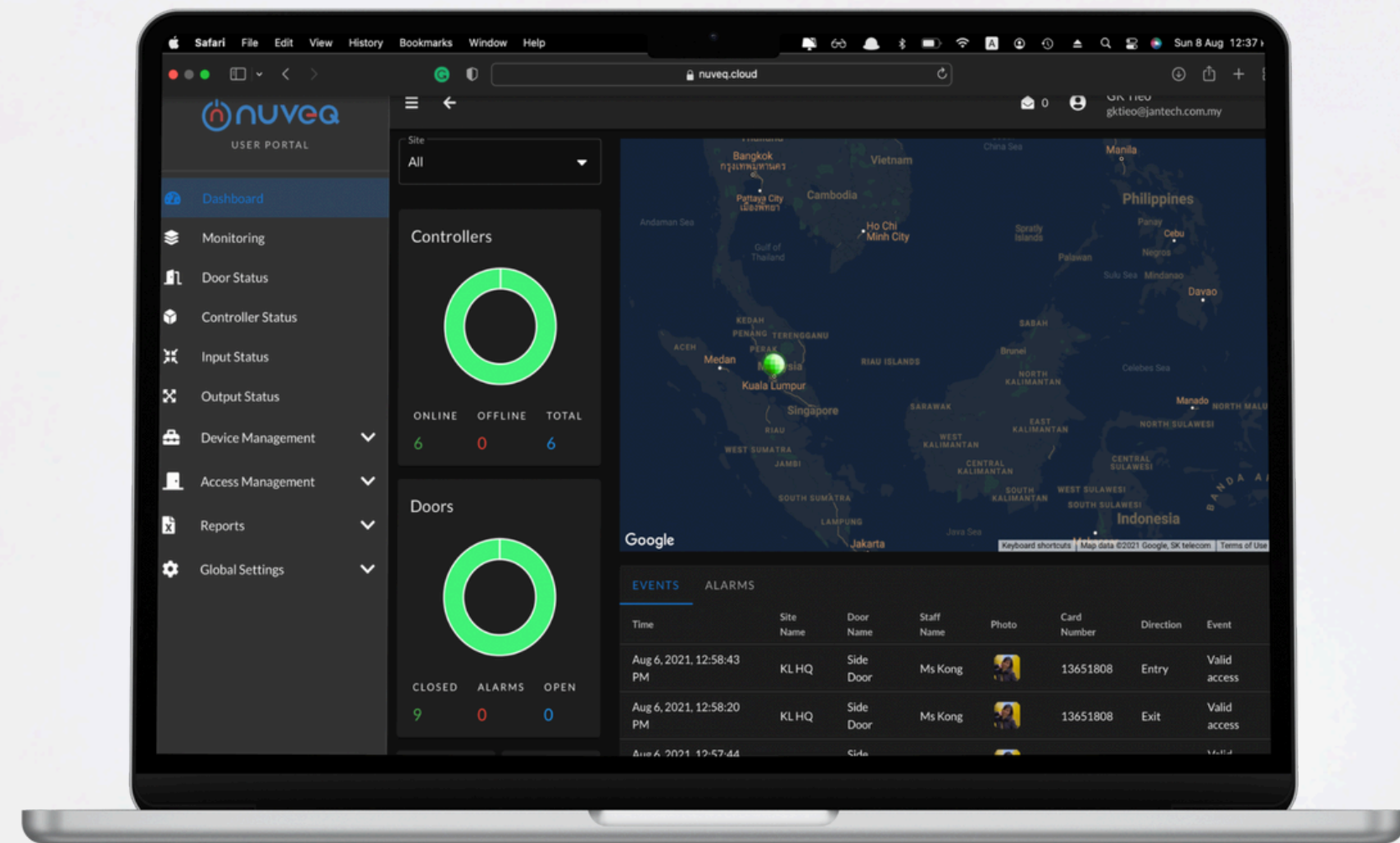
Powered by Google ULTRA SECURE Cloud Platform.

Cloud Capabilities

-  **Anywhere Access:** Manage doors, users, and alarms from any device, anywhere.
-  **No Virtual Networks:** Scale across sites without creating complex VPNs or virtual networks to sync access.
-  **Mobile Credentials:** Issue and revoke Digital IDs instantly.

Future Proofing

-  **Limitless Updates:** New features and enhancements added at no additional cost.
-  **OTA Firmware:** Remotely update code on devices to avoid long downtimes.

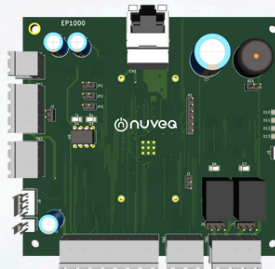


Complete Access Ecosystem

Smart Readers
Multi-format BLE/NFC/QR Readers
Encrypted NFC Cards



Biometrics
AI Face Recognition
(Indoor/Outdoor/IK10 rated)
Palm Vein Recognition



NUVEQ
Controller

Physical Barriers
Swing Turnstiles
Full Height Turnstiles
Quantum Tripod Turnstiles
Folding/Fence Arm Barrier Gates

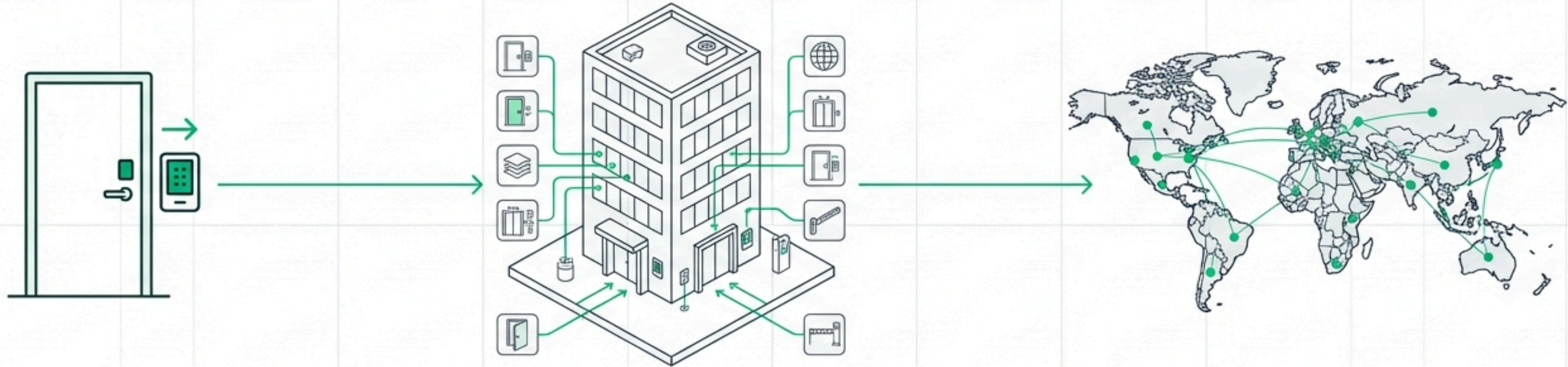






Specialty
IoT Server Rack Locks
IoT Elevator Access Systems
Panic Alarm Systems



Built for Scale

From a single door to a global enterprise



-  **✓ Unlimited Expansion:** Cloud-based platform has no door/user limits.
-  **✓ Multi-Site Synchronization:** Manage thousands of doors across different locations seamlessly.
-  **✓ Global Management:** Unified control panel for all geographic locations.
-  **✓ Flexible Operations:** Supports Single door, Two door, Elevator, Barrier, and Alarm Monitoring modes.

Solutions for Every Vertical



Commercial



Data Centers



Public Sector



Industrial

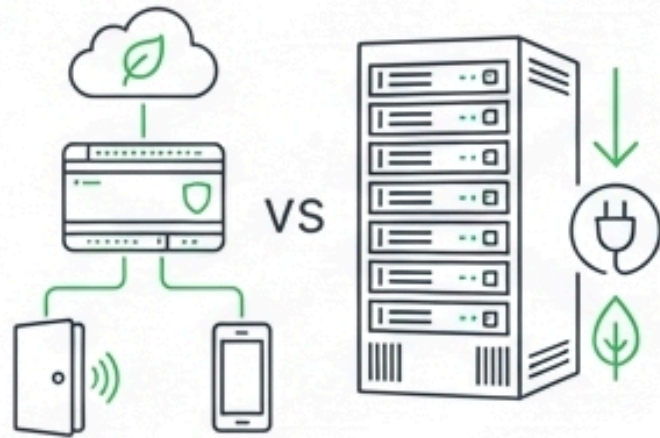


Healthcare

“Scale to thousands of doors across all locations with no door/user limits on the cloud platform.”

Return on Investment

Smarter operations, lower total cost of ownership.



01

Eco-Friendly Security

Reduced hardware footprint (no servers) lowers energy consumption.



02

Streamlined Operations

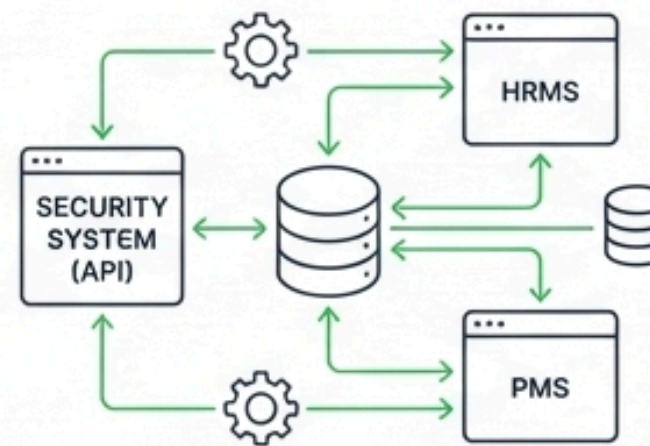
Remote diagnosis and management reduce site visits and staffing needs.



03

Investment Protection

"Limitless Updates" mean the system improves over time rather than becoming obsolete.



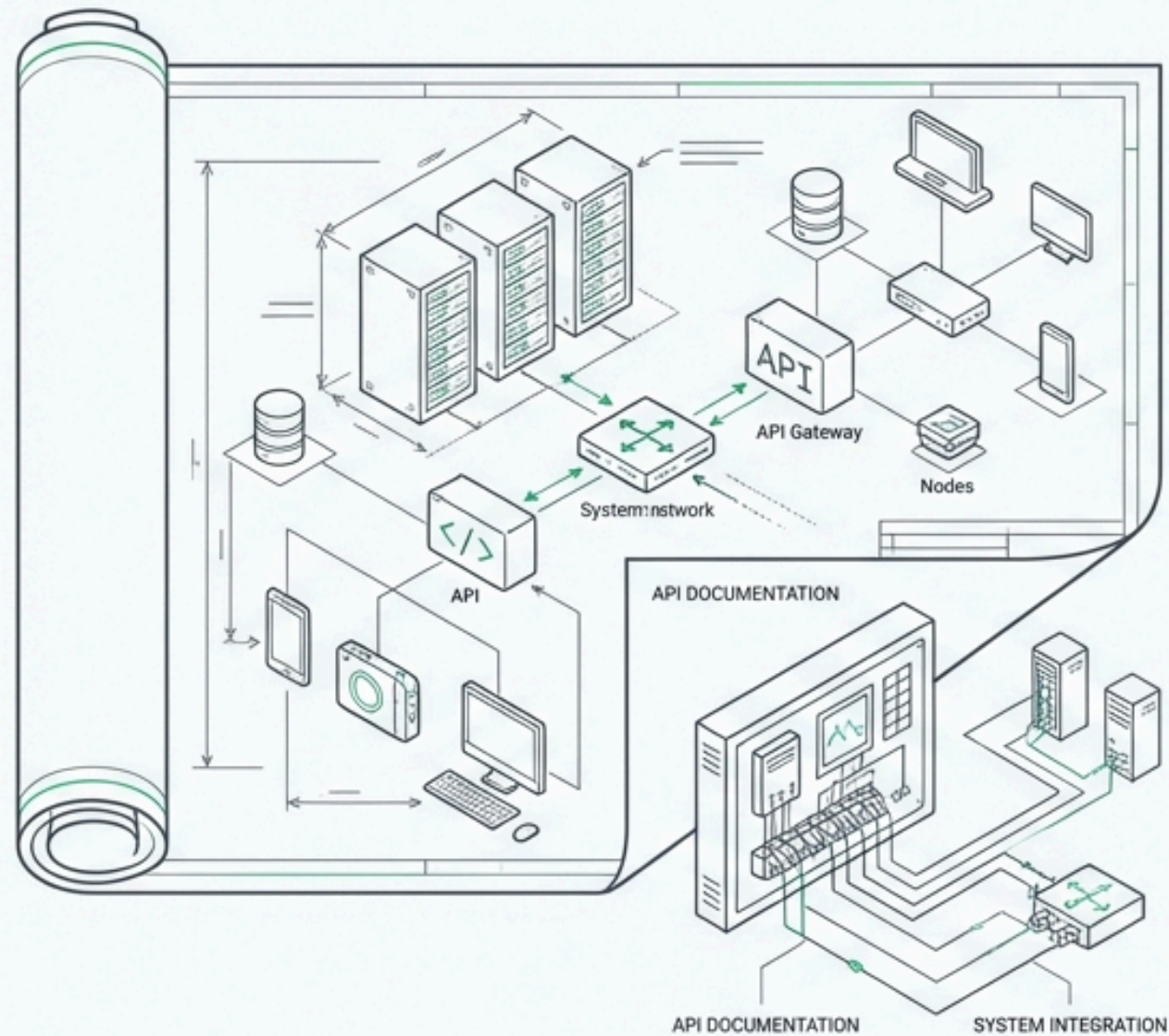
04

Integration

API integration capability allows the system to work with HRMS and Property Management Systems.

Developer & Integrator Resources

Tools for seamless implementation.



Developer API: Full API access for custom integrations with third-party software.



Documentation: Comprehensive User Manuals and Wiring Diagrams.



Training: Video tutorials and technical blog posts.



Support: Project registration and partner support channels.

Start Your Transformation, Control Your World.

Next-Generation Cloud-Based IoT Access Control.

Get In Touch With Us

For inquiries or follow-ups

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