NUVEQ SMART IOT CONTROLLER

EP-1000C

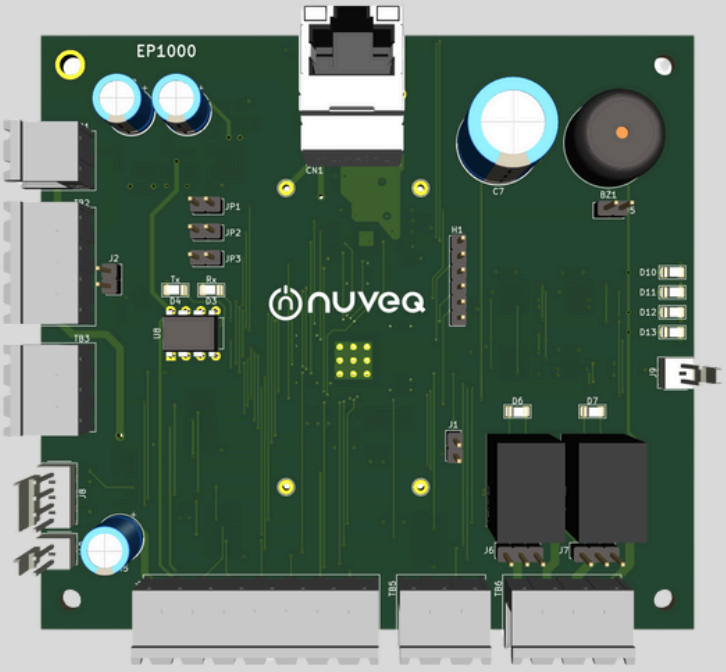
Next-generation loT controller offers unparalleled connectivity for your devices, ensuring that your operations run seamlessly.

Google Cloud Platform

CE UK CA RoHS COMPLIANT

INTELLIGENT CONTROL FOR SECURE ACCESS

Control Your World
with NUVEQ Smart IoT Controller



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CLOUD-BASED ACCESS CONTROL SYSTEM | MOBILE ACCESS

Made In Malaysia

SMART IOT CONTROLLER

EP-1000C

The Nuveq Smart IoT Door Access System Controller is an advanced solution designed to bring intelligent, centralized control to your access management systems. This controller seamlessly integrates with IoT-enabled door access devices, providing a unified platform to manage entry points across your facility.

Equipped with cutting-edge technology, the Nuveq controller supports a wide range of access methods, including RFID, mobile credentials, biometric data, and more. Its robust architecture ensures reliable performance and quick response times, enabling efficient access control operations.

Ideal for commercial buildings, residential complexes, and industrial facilities, this controller offers a scalable and future-proof solution for managing door access systems. Experience the next level of security and convenience with the Nuveq Smart IoT Door Access System Controller.

KEY FEATRUES

- **Multi-Method Access**
  Supports various access methods including RFID, mobile credentials, biometric data, and more
- **Remote Management**
  Provides a user-friendly interface for remote configuration and monitoring, allowing for real-time adjustments.
- **Real-Time Monitoring**
  Offers real-time monitoring and alerts to keep track of access activities and system status
- **Over the air update(OTA)**
  Seamless and convenient firmware updates without the need for physical intervention ensures that system stays with the latest security enhancements, performance improvements, and feature upgrades.
- **Fire alarm integration**
  seamless integration with fire alarm systems, enhancing overall building safety and emergency response capabilities.
- **Anti-Passback support**
  Supports both local and global anti-passback features, providing advanced security measures to prevent unauthorized access and misuse of entry points.
- **Door Interlocking System**
  An interlocking door system uses a ‘vestibule’ between the secured area and the unsecured area, with a lockable door between each area and the vestibule.

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SPECIFICATIONS

ARM Cortex M33 Trust Zero MCU
- 200 MHz core clock
- 2Mb Program Flash Memory
- 640k SRAM

Input Voltage:
- 12VDC, 3A

10/100 Ethernet Port
- Ethernet IEEE802.3
- Dynamic IP from DHCP server
- Guaranteed globally unique MAC address
- No individual network configuration required for every controller.
- ESD protection on Network port pins.

Realtime Clock
- Supercapacitor backup to ensure time keeping if controller is switched off.
- Automatic SNTP time synchronization with timezone and DST correction

Large card and transaction database
- 10,000 card users
- 20,000 transaction buffer
- Up to 64Mb high-endurance storage with 100 year data retention

Flexible access options
- 65535 Access levels
- 256 weekly time zones
- 256 daily time sets, each with 4 intervals

Serial ports
- 1 x RS485 serial ports, protected against surges, over-voltage and ground faults

Card reader ports
- 2 x wiegand card reader ports, supporting Wiegand 26/34/44 bit card readers
- 4 x Serial reader support for readers with extended functionality or custom functions

Inputs
- 1 door sensor inputs
- 1 REX pushbutton inputs
- 3 general purpose inputs
- 2 power supply status inputs
- 1 tamper input
- Buffered inputs to provide high noise immunity

Outputs
- 3 x Relay outputs, switchable to NO/NC operation.
- 1 x card reader LED outputs.
- 1 x card reader Buzzer outputs.

Operation modes
- Single door mode – with Entry reader and Exit reader or push button
- Two door mode – with Entry reader and Exit push button
- Two door mode – with entry and exit reader for both doors(using Nuveq EP30 serial readers).
- Barrier mode – Two barriers for turnstile, flap barrier or carpark applications

Size (Enclosure)
- 320(W) x 290(H) x 78(D)mm

Size (PC Board)
- 111(W) x 101(H) x 25(D)mm

Additional Specification
- On board buzzer for troubleshooting and local indication.
- Resettable fuses protection on incoming power supply and card reader ports

Certificate
- MySTI
- CE
- UKCA
- RoHs

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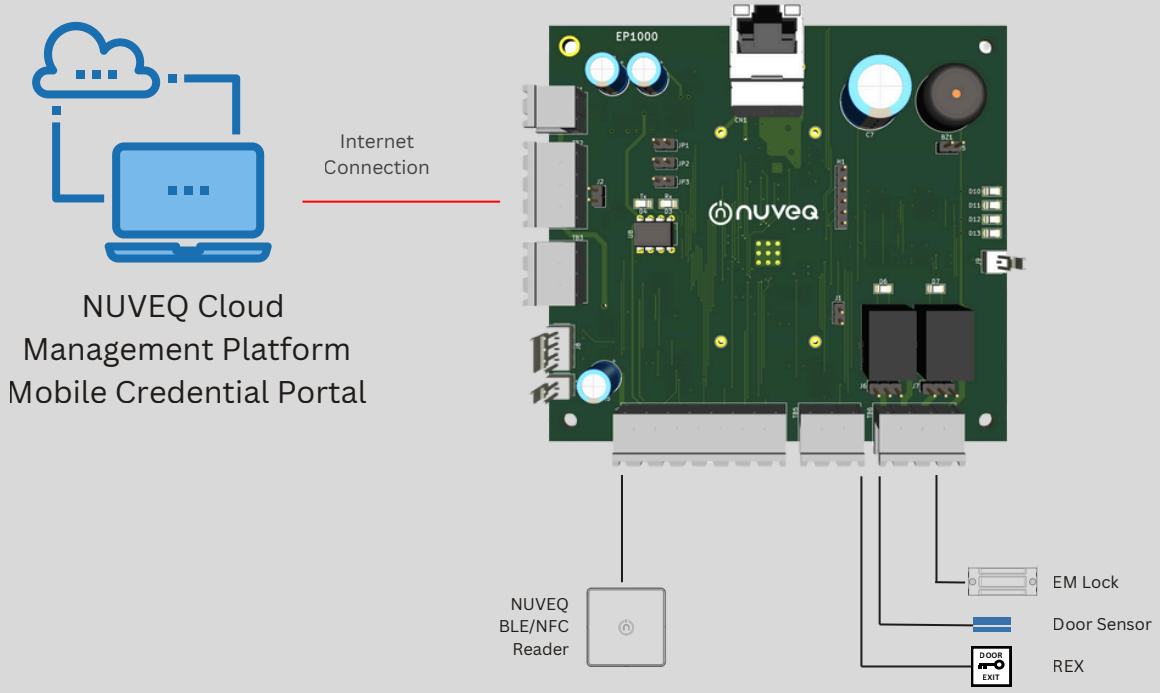
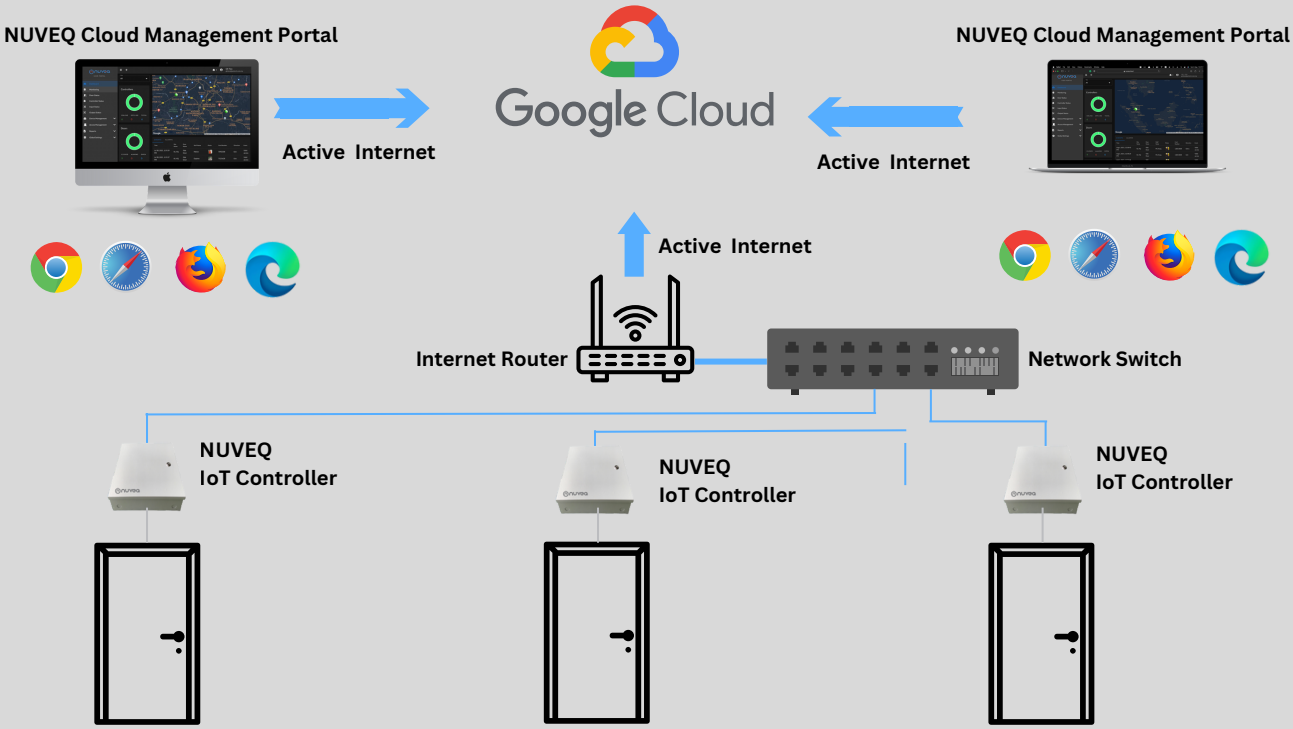
System Architecture





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