Made In Malaysia

NEXU-X

EP-10N/EP-10ND/EP-10NQ

NFC/MIFARE/DESFIRE EV2/QR READER

Ultra-Secure Multi-Protocol Encrypted Reader
NFC Type V | Desfire EV2 | Dynamic QR | AES-256

mydigitalID

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NEXT-GENERATION ACCESS CONTROL READER
EP-10NM/10NQ

NUVEQ Multi-Technology Readers are advanced access control solutions designed for seamless and secure authentication. These versatile readers support NFC, Mifare, and QR code technologies, making them ideal for various applications, including office buildings, residential complexes, parking systems, and visitor management.

CORE TECHNOLOGIES

✓ **Multi-Technology Compatibility**
Supports NFC, Mifare, and QR code technologies, providing flexible access options

✓ **AES-256 encryption / AES-128 3DES encryption**
Utilizes advanced encryption protocols to protect communication between the reader and access control systems.

✓ **User-Friendly Operation**
Simple and intuitive for users, allowing access via smartphone, smart card, or QR code

✓ **Fast & Easy Contactless Solution**
Delivers a swift and effortless contactless access experience that enhances convenience and safety across any facility

✓ **Remote Management**
Administrators can effortlessly monitor, update, and manage access permissions from anywhere, reducing the need for on-site interventions and ensuring real-time control and oversight

✓ **iOS & Andriod Supported**
Fully compatible with both iOS, Android and HarmonyOS devices, providing users with the flexibility to access secured areas using their smartphones

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SPECIFICATIONS

Arm Cortex-M0+ MCU
- 32MHz core clock
- 128k Program flash memory
- 32k SRAM

Authentication Modes
- NFC(13.56 MHz): ISO 14443 Type A/B, ISO 15693 (Type V tags)
- Desfire EV2
- QR Code (Static/Dynamic), 2D CMOS Sensor (1280x800 px)
- Biometric Integration(Template On Mobile)

Encrypted Credentials
- Mobile App (NFC(andriod)/QR)
- NFC Cards/Tags

Performance
- NFC: 0-10cm
- QR: 5-30cm
- Transaction Speed: <0.3s (NFC), <0.5s (QR)

Security features
- Encryption AES-256 (End-to-End)
- Random code hopping in every exchange prevents replay attacks.
- Anti-Spoofing

Compliance & Certifications
- MySTI
- EMC: EN 301 489
- Safety: CE, RoHS

I/O & Interfaces
- RS485 serial port, support OSDP protected against surges, overvoltage, and ground faults.
- Wiegand (34bit) to connect to third party access controllers

Power & Electrical Specs
- Voltage Range - 10-15V DC ±10%
- Power Consumption - Standby: 0.5W, Active: 3W (Peak 5W during BLE/NFC scan)

Environmental Ratings
- IP Rating: IP65
- Operating Temp: -30°C to 70°C (-22°F to 158°F)
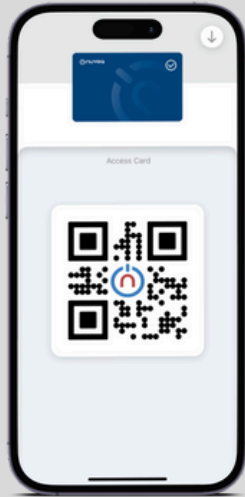- Humidity: 10% to 95% (Non-condensing)

Other Features
- On board buzzer for troubleshooting and event indication.
- RGB LED for event and status indication.
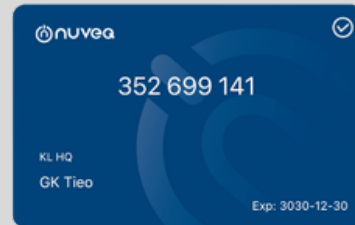- Resettable fuses for protection on incoming power supply.

General
- Dimensions: 92mm × 65.5mm × 20mm
- Weight: 180g (6.3 oz)
- Material: ABS

OPERATION MODE

Dynamic QR Code (EP-10NQ)

352 699 141

KL HQ
GK Tieo

Exp: 3030-12-30

Encrypted NFC

MIFARE

MIFARE® CLASSIC

Mifare Card

DIMENSION

92.00
65.50
65.50

20.00
17.00

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