

# idLink Magic Series

For Dynamic QR Code Cloud ID Authentication in HTTP Applications



## Virtual Card Readers for Digital Migration to Further IoT Integration

### Non-CSN / UID Based Mobile Credential to Prevent Identity Theft

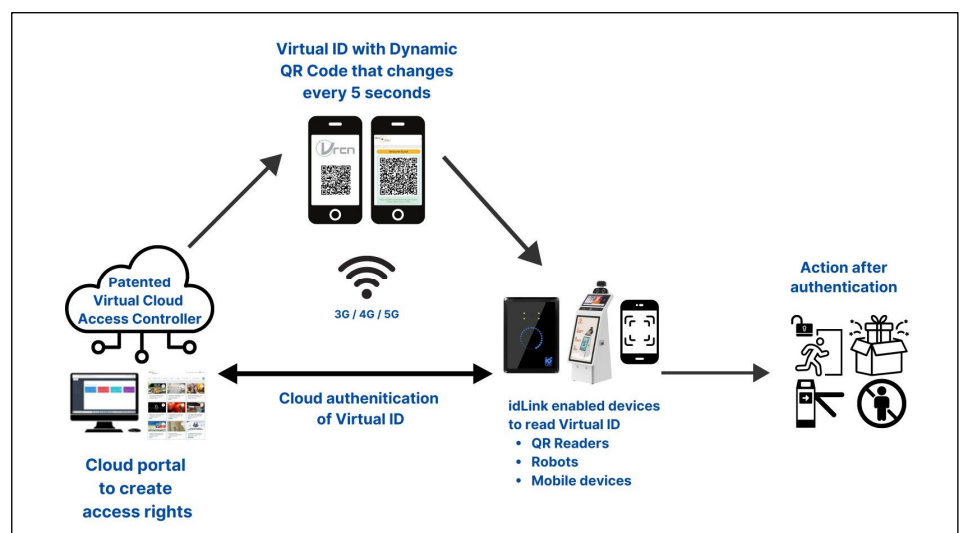
- **Conventional access cards now being used are using the fixed CSN** (card serial number) **or UID** (unique ID number) there which is prone to be compromised once the secret keys implanted and **AES 128 encryption** layer are hacked. Getting the fixed CSN / UID is able to manipulate the whole system.
- **idLink Magic works complementarily with the secure idLink virtual card running in App or Browser-Based URL**, which is embedded with **a time-based tokenized credential** evolving over time.
- The virtual card is further protected by the **AES 256 network encryption** during the communication process of cloud ID authentication and a **Dynamic QR code changing every 5 seconds**.
- Rest assure that any screen captured code / video captured screen will not be recognized by the reader after 8 seconds being copied.

### Need No Traditional Physical Controller But Common Http & Cloud Protocol for Easy IoT Integration

- idLink Magic's dynamic QR code carries **http protocol** commonly used in the IT industry for ID authentication instead of proprietary one used in access control, thus **easy for IoT / API integration**.
- More **cost efficient in saving expensive ELV hardware** such as traditional physical controllers.
- Much **simpler system architecture** with less wiring, thus saving high labour cost.

### Applications

- ✓ Building Access
- ✓ Event Venues
- ✓ Meeting Rooms
- ✓ Facilities Booking
- ✓ Party Room Admission
- ✓ Co-Working Space
- ✓ Fitness Centers
- ✓ Retail Chain Stores
- ✓ Schools
- ✓ Digital Membership & CRM Integration, etc.



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## Technical Specifications:

<b>Model</b>	<b>IDL-MG-NAD1P</b>
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### Reader Functions & Features

Reading Technologies	Dynamic QR code (Option to add Bluetooth & Mifare)
Reading Range	QR code: 4~18cm / Bluetooth: 0.1~5m / RFID (13.56M & 125K): 1~8cm
Reader Output	HTTP with option to use RS485(OSDP V1&V2) / Wiegand
Baud Rate for OSDP	9600(default) / 38400 / 57600 / 115200 (Configurable)
Buzzer Control	Reader & additional hardware control
Wiring Distance	RS485: 800m / Wiegand:150m (22 AWG with shielded cable)

### QR Code Function

Resolution	640* 480 CMOS
Scanning Angel	+/- 70° for left & right, +/- 60° for front & back
QR Codes Applicable (upon tuning)	PDF417, Data Matrix, QR-code
Minimum Resolution	6.6 mil

### Operating Specification

Operating Voltage	9 - 24VDC
Operating Current	250mA (max)
Operating Temperature	-20°C ~ 55°C
Operating Humidity	10% - 90%
Exterior dimension	15.5*84.5*20.5mm
Case material	PC+ABS
Standard Color	Black
Weight	210g

## idLink Venue Access Authentication Accessories



Registration Kiosk with idLink Magic



Concierge Robot with idLink Virtual Reader



Smart Turnstile with idLink Magic