Spintly UNO

Spintly UNO is the world's first BLE mesh-based access control reader. Its elegant design provides a flexible modular and scalable approach to upgrade your regular doors to smart doors, leveraging the power of BLE mesh technology.

Modes of Access

Spintly access control system offers various convenient and secure Access modes as below :

- **Mobile Access**: Spintly provides mobile-based access control for convenient door unlocking and workplace check-ins via smartphones. By using mobile credentials, Spintly improves security and access management for modern spaces.
  Modes of mobile Access
  - Click Access
  - Tap Access
  - Mobile NFC Access

- **Card and Key fob access**: Spintly offers Mifare credentials for access control and also key Fob access, allowing convenient and secure method for users to access the doors.

- **Remote Access**: Spintly's app offers secure global access, enabling users to unlock doors from anywhere. This feature enhances convenience and security, making it an ideal solution for modern access control.

Security

- **AES128 bit encryption on Bluetooth mesh and Mobile communication**
  Spintly access control system uses AES-128 bit encryption for secure Bluetooth Mesh communication, safeguarding network data and also mobile access security

- **AES128 bit encryption based diversified keys for Mifare communication**
  Spintly readers use AES128 bit encryption to store and retrieve credential data from Mifare card

UNO Features

1 BLE Mesh Networking
With BLE Mesh, devices can communicate with one another over an extended range, enhancing the overall performance and coverage of your access control network.

2 Wide Input operating voltage
Spintly UNO offers versatile compatibility with different input voltages, making it adaptable to various electrical systems. This ensures seamless integration into diverse environments, whether they use high or low voltage power sources.

3 Retrofit with legacy controllers
One of the key strengths of Spintly UNO is its ability to seamlessly retrofit with existing legacy access control systems via Wiegand/OSDP. This implies that businesses and organizations can enhance their security infrastructure without the necessity for a complete revamp.

4 Built in RTC and NTP support
Spintly UNO is equipped with a Real-Time Clock (RTC) and supports Network Time Protocol (NTP). This ensures that the system maintains accurate and synchronized time. Precise timekeeping is essential for access control systems, as it helps in tracking and managing access events accurately.

5 Cloud based access management
Spintly UNO leverages cloud-based access management, allowing administrators to control and monitor access remotely from a centralized dashboard. This feature provides real-time access control management, enabling you to grant or revoke access permissions, track user activity, and receive alerts and notifications from anywhere with internet access

6 Adjustable operational distance for Mobile credential access
Spintly UNO offers the flexibility to adjust the operational distance for mobile credential access such that administrators can fine-tune the range at which mobile devices, equipped with the appropriate credentials, can gain access to secured areas.

7 Tamper proof
It detects unauthorized interference or tampering with the reader device to protect the integrity and functionality of the system

Models & Specifications

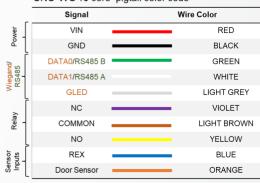| Product Variant	Smart Access UNO	Smart Access UNO-W	Smart Access UNO-WO
Functionality	*Basic version* *- No Wiegand* *- No OSDP*	*With Wiegand*	*With Wiegand and OSDP*
Model Nos	SU-01	SU-014	SU-016
Communications	BLE Mesh	BLE Mesh, Wiegand Output	BLE Mesh, Wiegand Output, OSDP

Power Input	• Power
	  • Voltage ratings : 12V/24V DC
	  • Power consumption : 2.4W max at 12V		

Sensor Inputs	Door sensor switch Egress switch (REX)		
Switch Outputs	Relay FORM C		

Mode of Access	• Mobile Access :
	  • Click Access
	  • Tap Access
	  • Mobile NFC Access
	• HF Card Access
	• Remote Access		

Typical Read Range	NFC : 1cm	NFC : 3cm	

Capacity	• Credentials
	  • Mobile : 14K
	  • NFC : 14K
	• Event Logs
	  • Online : No Limit
	  • Offline : 40K		

13.56 MHz Card Compatibility	MIFARE Classic, MIFARE DESFire EV2		
Enclosure	Dimensions : 50mm X 85mm X 32mm Weight : 76g Housing material : ABS Wall mountable		
Environmental	Operating temp: -25 to +85 degree C Operating humidity : 5% to 95% relative, non-condensing		
Certifications	FCC certified CE certified RoHS compliant		

Wiring Color Code (Based on models)

Model No : SU-01

UNO 8 core pigtail colour code

	Signal names	Pigtail Color
Power	VIN	RED
Power	GND	BLACK
Relay	NC	GREEN
Relay	COMMON	WHITE
Sensor Inputs	NO	YELLOW
Sensor Inputs	GND	BROWN
Sensor Inputs	REX	BLUE
Sensor Inputs	Door Sensor	ORANGE

Model No : SU-014 (UNO-W) and SU-016 (UNO-WO)

UNO-WO 10 core pigtail color code

	Signal	Wire Color
Power	VIN	RED
Power	GND	BLACK
Wiegand/ RS485	DATA0/RS485 B	GREEN
Wiegand/ RS485	DATA1/RS485 A	WHITE
Wiegand/ RS485	GLED	LIGHT GREY
Relay	NC	VIOLET
Relay	COMMON	LIGHT BROWN
Relay	NO	YELLOW
Sensor Inputs	REX	BLUE
Sensor Inputs	Door Sensor	ORANGE

Applications

- Commercial Spaces
- Educational Institutions
- Fitness Centers
- Coworking spaces
- Warehouses
- Manufacturing and Industrial Sites

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