Spintly
NUOS-1

NUOS-1 is developed to support single door
It has native OSDP support which provides the highest level of security and reliability. It offers a flexible and reliable platform for managing and securing access to your premises.

Modes of configurations

It is designed to be mounted on the secured side of a door, and it is configured to make all access control decisions. This enhances physical security of the system providing protection against tampering by unauthorized individuals.

It supports 2 modes as below

① Standalone Controller mode :
NUOS-1 can be operated independently with no readers connected in this mode.
The controller is responsible for verifying user credentials and making access decisions solely based on the information provided by users. Since there are no connected readers, it does not rely on external hardware to read access credentials.

② Controller + Reader mode :
NUOS-1 is connected to Reader over OSDP protocol under this mode, reducing the risk of data loss.
OSDP supports bidirectional communication, allowing the readers to read the credentials by user and transmit the data to the controller. The controller verifies these credentials to determine whether access should be granted.

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.
  • Click Access

› **Remote Access**: Spintly's app enables secure global access, letting you unlock doors from anywhere.
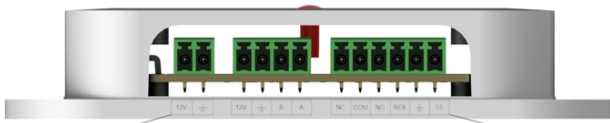
Spintly NUOS-1 Features

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 Retrofit with 3rd party hardware
One of the key strengths of NUOS-1 is its ability to seamlessly retrofit with existing legacy 3rd party hardware over OSDP such that organizations can upgrade their security infrastructure without the need for a complete overhaul.

③ Selectable Dry/Wet relay contact
Spintly NUOS-1 is equipped with physical switch accessible to the user to select relays to be DRY or WET conveniently

④ Cloud based access management
NUOS-1 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

⑤ Local storage of configurations
Local storage of configurations for a controller enhances the reliability, security, and efficiency of the access control system, ensuring that it remains operational and secure under various conditions, even when internet connectivity is not available or is unreliable.

CE FC

Models & Specifications

Product variant	NUOS - 1 (One Door Controller)
Model No	SNU-041
Connectivity	BLE Mesh
Reader capacity	Supports 1 reader
Input	Power • Voltage ratings : 12V/24V • Power consumption : 2.4W max at 12V Switch Inputs • 1 Door sensor switch • 1 Egress switch Interfaces • 1 RS485
Output	Switch Outputs • 1 Relay FORM C Power Output • Magnetic lock power: 12V at 1 amps
Capacity	Credential • Mobile : 50K • NFC: 50K Logs • Online Unlimited • Offline : 40K
Enclosure	• Dimensions:- 124W * 67L * 22D mm • Weight:- 87g • Housing Material:- ABS • Wall Mountable
Environmental	• Operating temp: -25 to +85 degree C • Operating humidity : 5% to 95% relative, non-condensing
Certifications	FCC, CE, RoHS

NUOS-1 Pinout

Power Input		Reader Power		RS-485		Relay			Sensor Inputs		
12V/24V	⏚	V+	⏚	B	A	NC	COM	NO	REX	⏚	DOOR SEN

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

Applications

📄 Commercial Spaces

👤 Educational Institutions

Fitness Centers

🏢 Coworking spaces

🏬 Warehouses

Manufacturing and Industrial Sites

Installation

Wall and Ceiling mountable

NUOS-1 controller can be installed on either walls or ceilings, providing flexibility in placement as per access control needs. It is designed with an easy mounting procedure using just two screws for quick and hassle-free installation.

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