Spintly ZEON

Spintly ZEON offers a complete solution for users and visitors by blending QR / Barcode scanning with BLE and NFC access. This ensures easy operation across all levels.



Modes of Access

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

QR access: Spintly ZEON QR simplifies the authentication process with a quick scan. Users can effortlessly present the unique QR code for swift and efficient access, enhancing convenience for employees, visitors, or customers.

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 various HF- High Frequency (13.56MHz) and LF- Low Frequency (125KHz) cards/key fobs access, allowing convenient and secure method for users to access 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 ZEON use AES128 bit encryption to store and retrieve credential data from Mifare card

ZEON 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 ZEON QR/ZEON offers versatile compatibility with different input voltages (12V/24V), 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 access control system

Spintly ZEON QR/ZEON is able 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 Cloud based access management

Spintly ZEON QR/ZEON 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.

5 Adjustable operational distance for Mobile credential access

Spintly ZEON QR/ZEON 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.

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Contains FCC ID: 2ATL5S-SPNYH02-C

Models & Specifications

Product	Spintly ZEON				
Variants	With QR support				
Model Nos	SQR-021	SQR-022	ZE-022	ZE-023	ZE-024
Product codes	ZE-QR-HF-W		ZE-QR-HF-LF-W	ZE-QR-HF-WO	ZE-QR-HF-LF-WO
Power Input	Power • Voltage : 12V/24V DC • Power consumption : 2.4W max at 12V				
Communications	BLE Mesh, Wiegand Output			BLE Mesh, Wiegand Output. OSDP	
Mode of Access	Mobile Access (48 bit format) • Click Access • Tap Access • Mobile NFC Access QR Access HF Card Access Remote Access		Mobile Access (48 bit format) • Click Access • Tap Access • Mobile NFC Access QR Access HF Card Access LF Card Access Remote Access	Mobile Access (48 bit format) • Click Access • Tap Access • Mobile NFC Access QR Access HF Card Access Remote Access NFC Wallet Access	Mobile Access (48 bit format) • Click Access • Tap Access • Mobile NFC Access QR Access HF Card Access LF Card Access Remote Access NFC Wallet Access
Card Compatibility* *HF – 13.56 MHz* *LF – 125 KHz*	HF - High frequency (13.56MHz) • ISO14443A	HF - High Frequency (13.56MHz) • ISO14443A • ISO15693	HF - High Frequency (13.56MHz) • ISO14443A • ISO15693 LF - Low Frequency (125KHz) • FSK Credential • ASK Credential (EM Prox)	HF - High Frequency (13.56MHz) • ISO14443A • ISO15693	HF - High Frequency (13.56MHz) • ISO14443A • ISO15693 LF - Low Frequency (125KHz) • FSK Credential • ASK Credential
Capacity	Credentials • Mobile : 14K • NFC : 14K Event Logs • Online : No Limit • Offline : 40K	Credentials • Mobile : 25K • NFC : 25K Event Logs • Online : No Limit • Offline : 40K	Credential • Mobile : 50K • NFC : 50K Event Logs • Online : No limit • Offline : 40K	Credential • Mobile : 100K • NFC : 100K Event Logs • Online : No limit • Offline : 40K	
QR Access Range	Up to 4 cm				
Field of View Angle	Horizontal: 66.4° Vertical: 49.8° Diagonal: 83°				
Sensor Inputs	Door sensor switch Egress switch (REX)				
Switch Outputs	Relay FORM C				
Tamper Proof	Yes				
Card Read Range	Up to 2 – 6 cm				
Audio and Visual Feedback	Audio : Buzzer monotone sound Visual : Bi-color LED indication				
Enclosure	Dimensions : 135L X 50W X 29H mm (5.31L X 1.96W X 1.14H in) Product Weight : 244g Housing material : ABS Mounting : Wall mountable				
Environmental	Operating temp: -25 to +85 degree C Operating humidity : 5% to 95% relative, non-condensing				
Certifications Compliance	Bluetooth Low Energy connectivity provided by the SPNYH02-C wireless module - (FCC, CE and ROHS compliant). FCC certified (contains FCC ID: 2ATL5S-SPNYH02-C)				

*Card with maximum 48 bit format

Contact Us

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Pigtail Color Code

ZEON QR/ZEON is equipped with a 10 core pigtail required during the connection process. The table below describes the signal names along with their corresponding color code.

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

Model Wise Modes Of Access

	With QR support				
Model No	SQR-021	SQR-022	ZE-022	ZE-023	ZE-024
Mobile Access (48 bit format)					
Click Access	✓	✓	✓	✓	✓
Tap Access	✓	✓	✓	✓	✓
Mobile NFC Access	✓	✓	✓	✓	✓
Card Access					
HF Card	✓	✓	✓	✓	✓
LF Card	✗	✗	✓	✗	✓
QR Access					
	✓	✓	✓	✓	✓
NFC Wallet Access					
	✗	✗	✗	✓	✓
Remote Access					
	✓	✓	✓	✓	✓

Applications

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

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