

Subminiature all-in one solution



Fully featured compact network controller for single door access. The device has a built-in RFID reader operating at a frequency of 13.56mhz. Supports connection of an external reader via 485 or Wiegand 26- 34 interfaces.

Device support digital key «VIKEY», allowing user to open the door remotely from the Vikey Wallet mobile application and the widget on the screen (available in android). The system administrator can remotely issue and distribute virtual keys to his guests or employees by managing their access rights via mobile app.

The controller is configured and controlled using the MACS lite mobile application that is available for IOS and Android.

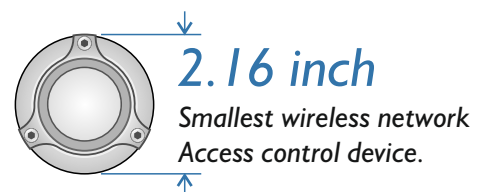


Despite its small size, the device supports 5000 keys and can store 8000 events. Provides the execution of 3 Antipass-back modes for one door. Available anti-passback modes: Soft, Hard, and Timed. The Wiegand interface is bi-directional and can act as an input and output for easy integration into existing access control systems.

The built-in reader supports most MIFARE and NFC cards. A specialized implementation of the NFC protocol allows not only working with NFC tags, but also using Phone NFC to identity.

For ease of use, our device supports three modes:

- Standalone - without access to the Wi-Fi network
- Networked - Without access to internet
- Cloud based - Connects to Lumiring cloud service through internet



Specification

Description:	Wi-Fi Network Controller + RFID Reader 13,56Mhz
CPU:	32-bit, 80 Mhz
WiFi Protocols:	802.11 b/g/n
Frequency Range:	2.4GHz-2.5GHz (2400M-2483.5M)
Security:	WPA/WPA2
Encryption:	WEP/TKIP/AES
Memory:	4 Mb
Reader frequency:	13,56 Mhz
Reading range:	Up to 5 cm.
Supported tags:	MIFARE Classic 1K, 4K; MIFARE Classic EV1 1K, 4K; NFC
Cardholders:	500* (Software extendable limit) / 5000 (Hardware limit)
Credentials/Virtual Keys:	8* (Software extendable limit) / 5000 (Hardware limit)
Credentials/Physical Keys:	5000 (Hardware limit)
Events:	4000* (Software extendable limit) / 8000 (Hardware limit)
Protocol protection:	Symmetrical Encryption 256 bit
Lock:	1 (open collector)
Lock power:	9-24VDC; 2A (5A impulse mode)
Lock modes:	Monostable, Impulse
Lock type:	NO, NC
RFID copy protection:	YES, Encryption
External reader support:	485P, Wiegand26, Wiegand34
Door sensor control:	YES
Anti pass-back:	YES
External Exit button:	YES
Buzzer control:	YES
Communication:	Wi-Fi, 485P, Wiegand26, Wiegand34
Wiegand distance:	100 m.
485 distance:	1000 m.
OTA updates:	YES
NTP servers:	Support
Indicator:	Full custom color RGB light
Power supply:	9-24VDC
Operating temperature:	-30°C to 70°C
Protection:	IP65
Housing:	ABS+UV protect
Color:	White, Black
Weight(g):	50
Dimensions(mm):	(D)55x(H)13

*Software limitation. Extended items can be ordered