Making life accessible

iLOQ N510 NFC reader datasheet

iLOQ NFC readers belong to the iLOQ Online product family and are used together with other iLOQ Online products to control electronic locks or other electronic devices in the door environment and to update iLOQ keys. The iLOQ NFC Reader is typically located near the door.

iLOQ NFC Readers use NFC technology to communicate with iLOQ keys, and RS-485 interface to communicate with other Online components. Communication is secured with strong AES-256 encryption. No security-related data is stored in the memory of the reader. Readers support also Mifare RFID tags.

iLOQ N510 NFC readers are available with and without a keypad. Keypad can be used to enhance security by requiring a PIN code in addition to the key, but also in low-security environments by opening the door with just a PIN code.

The N510 reader has the following four variants:

- N510.100 NFC door reader without keypad
- N510.110 NFC/PIN door reader with capacitive keypad
- N510.200 NFC wall reader without keypad
- N510.220 NFC/PIN wall reader with mechanical keypad

N510.220

N510.200

N510.110

N510.100

Dimensions

N510.1xx: 127 x 46 x 28 mm (H x W x D)

N510.2xx: 129 x 77 x 29 mm (H x W x D)

Supported technologies

Supported iLOQ keys.....K5S, K55S, iLOQ mobile app
- Encryption.....AES-256

Mifare keys.....TBD

Electrical specifications

Interface to door module.....RS-485
Operating voltage.....+10 - +42 VDC
- Power consumption.....max. 2.5 W

Operating frequency.....13,56 MHz
LED.....RGB LEDs
Buzzer.....Yes

Mechanical specifications

Material of housing.....Plastic
Installation method.....With screws
Connector.....2 x 7 pin strip connector
- Connections.....Data A, data B, DC+, DC-

Color.....Black
Ingress protection.....IP67
IK-rating.....IK-09
Flammability class.....UL94 HB, UL94 V2

Environmental specifications

Operational/storage temperature range.....-40 °C...+55 °C
UV radiation.....EN60068-2-5, total radiation 1090 W/m2, 72h

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