

N507 Online I/O Module

System-level description

The iLOQ N507 Online I/O Module is a bus device which has 10 potential free relay outputs and 10 inputs thus allowing designers to design more features to the system environments than basic door modules allow them to do. The N507 Online I/O Module is installed in a secure interior space, such as a technical room, and it controls iLOQ Online NFC Readers, slave N507 and the devices connected to its relay outputs. The N507 Online I/O Module is hosted by an iLOQ N500 Net Bridge; it does not operate independently.

The N507 Online I/O Module has an RS-485 bus for connecting an iLOQ NFC Reader and stacked N507 to work as a slave cards. The N507 has 10 potential free relays, which, based on the selected Access right – Relay matrix, can be controlled by placing a valid key to a connected iLOQ NFC Reader. A valid key access can activate one or several relays at once and the possibility to stack a maximum of five N507 allows a user to activate all, or a combination, of a maximum of 50 relays at once. Similarly, the Inputs can also be defined to activate one or several relays at once when activated.

The most common use cases are:

Connecting a code- or calendar-controlled electric lock or device

Connecting an iLOQ NFC reader to control an electric lock or device

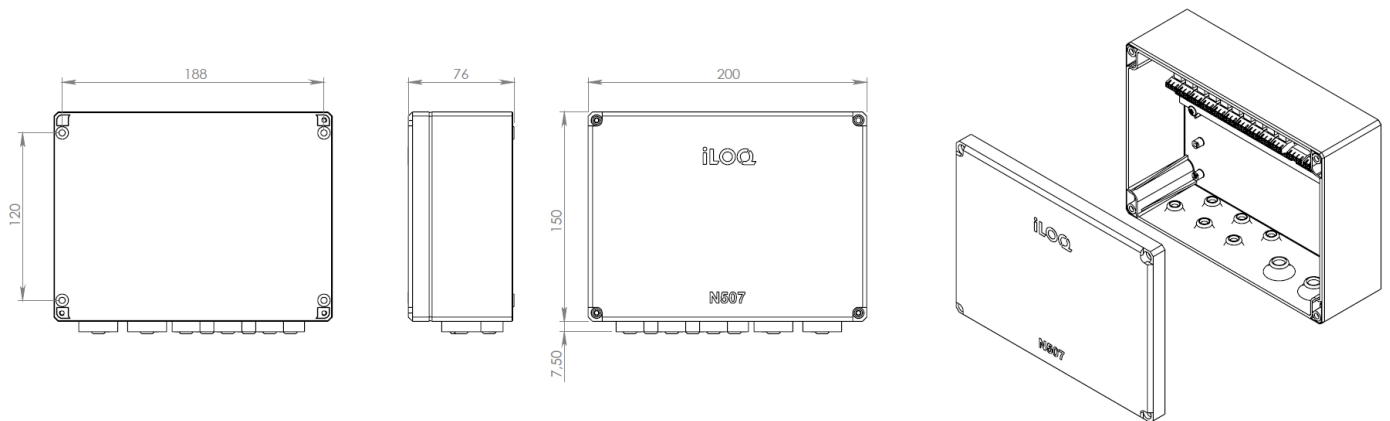
Using any of the 10 Inputs to control the Relays

Updating, sharing and collecting lock and key information such as access rights, time profiles, log events and list of blocked keys through a D2D network with an iLOQ NFC Reader N504i, N505i or N506

Feature summary

- RS-485 IN Main bus input connection
- RS-485 OUT Main bus output connection
- RS-485 CHAIN OUT bus connection for iLOQ NFC Reader and/or N507 Online I/O Module to work as a slave cards
- INPUTS 1-10 Potential-free inputs for activating the Relays
- RELAY K1-K10 Relay outputs for controlling an external device

Dimensional drawing



Technical data

Bus interface	RS-485
Color	Light gray
Enclosure material	Plastic
Ingress protection rating	IP54
Installation method	Screws
Number of bus services	5
Power supply	42 VDC
Server connection	None
Maximum temperature	122°F
Minimum temperature	-4°F

Certificates

Certificates	CE
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