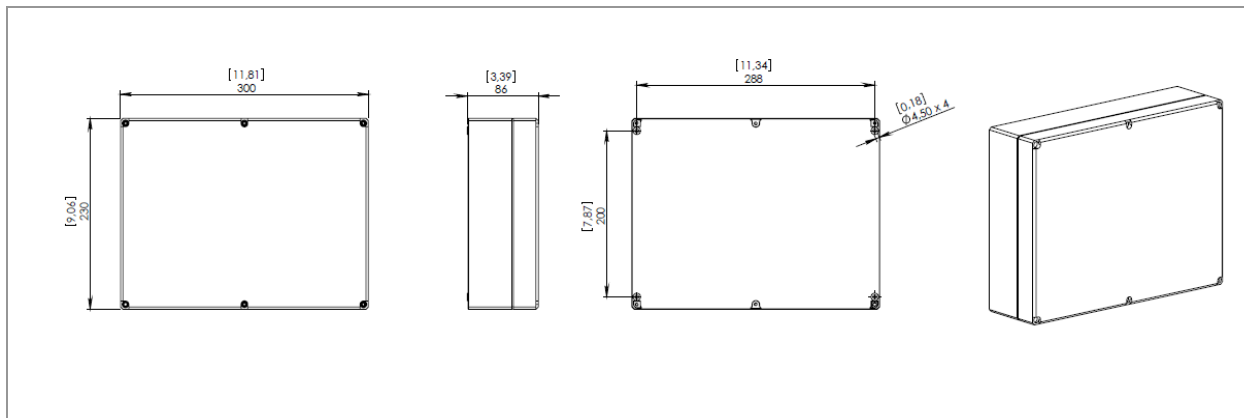


iLOQ N001.1 AND N001.2 NETWORK MODULE



Features

The patented, award winning iLOQ S10 Locking System offers advanced security and convenient access management for master-key locking as well as access control environments.

Software as a Service (SaaS) operated iLOQ S10 Management Software enables advanced multi site programming, administration and management of iLOQ Locks and iLOQ Keys in combination with the iLOQ Programming Device and Microsoft Windows based PC, PDA or mobile phone as well as the iLOQ Network Module.

The iLOQ N001 Network Module manages up to six wired iLOQ Locks and iLOQ Key Readers for updating access rights, reading audit trail data, and blacklisting of keys over the communication network.

Additionally one iLOQ Key Programming Hotspot can be connected to the iLOQ N001 Network Module enabling key updating via hotspots mounted on selected places on the building wall. Key holders can update the access rights in their key by simply inserting the key into the hotspot.

Two of the six lock interfaces are equipped with shunt relays enabling integration with alarm system.

The iLOQ N001.1 Network Module communication channel is over the Ethernet.

The iLOQ N001.2 Network Module communication channel is over the Ethernet as well as over mobile network.

The wired iLOQ Locks connected to the iLOQ N001 Network Module work solely using the latest access rights even the network communication is not functioning or if the module is not powered.

iLOQ N001 Network Module in brief

- Direct communication up to six wired iLOQ Locks
 - Updating access rights
 - Blacklisting lost keys
 - Audit trail data pick up
 - Real time clock
- Shunt relay outputs of two locks for alarm system integration
- Interface for iLOQ key programming hot spot
 - Access right updating
 - Key access time updating
- High system security utilizing powerful data encryption methods

Technical Data of iLOQ N001.1 and N001.2 Network Module

Architecture

Architecture	Microsoft MicroFrameWork module
Server communication	SSL secured web service connection
Additional data protection	SHA-1 encrypted data

General

Power supply	12 – 24 VAC/DC, 1200mA
Enclosure	230 x 300 x 85 mm, IP66 / IP67, RAL 7032
Temperature range	-20 .. +65 °C
iButton socket	For the Locking System specific iLOQ P10S.3 Security Token
Module configuration	USB 2.0 Port
Real-time clock	Back-up battery CR2032

LAN

Ethernet	1 x 10/100 Mbps, RJ 45
Protection	1,5KV isolation per IEEE 802.3 requirement

Lock interfaces

Lock numbers 0 and 1

iLOQ lock cylinder interface	2-wire iLOQ bus, max length 200 m, 1.5kV/1sec isolation
Shunt relay output	Non-latching relay contact C-NO-NC, 48VDC/AC, 1A
Relay output	Non-latching relay contact C-NO-NC, 48VDC/AC, 2A
Digital input	Potential free relay contact 5VDC, 0.5mA

Lock numbers 2, 3, 4 and 5

iLOQ lock cylinder interface	2-wire iLOQ bus, max.length 200 m, 1.5kV/1sec isolation
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Key programming hot spot interface

iLOQ Key programming interface	For iLOQ N002 Key programming terminal
	Maximum cable length 50m, MHS cable required

Additional features of iLOQ N001.2 Network Module

Modem

Type	Telit GM862
Modem features	Quad-band EGSM 850 / 900 / 1800 / 1900 MHZ
Approvals	CE, FCC, IC, GCF, PTCRB, Anatel, R&TTE

Note: SIM card is not included

