

Access control Encrypted BLE & proximity Reader



DIGIlock-QM

- High security RFID & Bluetooth Low Energy reader
- BLE configurable 1 or 3m mobile ID reading range
- RFID read/write for DESfire & LEGIC-Advant cards
- High secure AES encryption
- Additional UID verification of DESFire & LEGIC cards
- RS485 IBB/S AES encrypted bus interface
- No third-party portal or licencing for mobile-ID needed
- Red/Green/Blue LED & buzzer
- 2 monitored Inputs, & tamper switch
- Coded relay interface with authentication

DIGIlock-QM

Encrypted BLE & proximity Reader

DIGIlock-QM is part of the complete ATS building and security solution. Incorporating BLE 4.2 low energy technology and simultaneous support for a wide range of RFID proximity cards, like Mifare/DESfire, LEGIC-Advant, means DIGIlock-QM provide a bridge from plastic badges to cardless mobile access control and allow seamless integration into existing ATS installations.

Based on an ARM4 low power CPU, the ATS mobile reader is ideal for enhancing freedom of movement in the workplace, allowing employees to have their access credentials on the smart devices they already carry. Configurable reading range allows reading ATS Mobile ID's up to 6m; this makes the ATS Mobile solution well-suited where long-reading range is important.

The outstanding design features a bottom part, which includes the reader electronic with pin connector to mount over a 62mm round DIN box with two 3mm screws. A cover part closes the reader after installation.

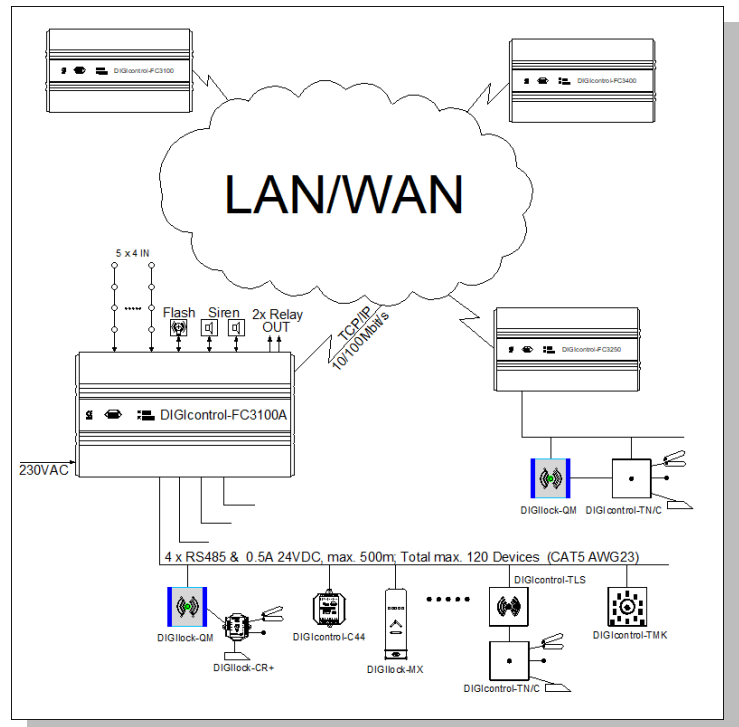
With the second generation of ATS Bluetooth readers and support off the latest BLE implementation, ATS is at the forefront of the technology shift towards mobile solutions. This helps our customers who are increasingly supporting their employees who want to use their mobile phones to get into work. As consumers are less likely to lose their smartphone than a key card, ATS Mobile ID app has a potential for an added layer of security. If the phone is lost, access can be easily disabled.

A big and bright LED is signalling with green for access granted, red for no access and blue writing update data to the card. Blinking green shows that the door remained open, red blinking tells bad or illegal card. An additional buzzer warns if the door is still open after a while.

Up to 100 readers, to control up to 50 doors could be connected with a single cable to an floor controller. A unique serial number enables configuration of a bus ID in the range between 1 and 120. The reader supports online update for offline access parameters and card valid timestamp renewal. Utilizing the high speed IBB/S security bus protocol, ATS readers offer an unparalleled access decision response time of under 150 milliseconds.

In place of a plastic entry card, the user can use their Android Smart Phone to download the free of charge app and enroll directly into the DIGIcontrol-3000 access control system. Enrolment is straight forward and does not require a license, a separate portal or a third-party subscription, offering an affordable, easy to install access control solution.

DIGIcontrol-3000 is approved for federal government use. It also keeps university campuses safe, secures transport, banking and other commercial premises. Potential applications include critical infrastructure sites, atomic power stations, commercial high rises, data warehouses, large-scale construction sites, universities and hospitals.



Technical Data

DIGIlock-QM:

ARM4 low power CPU with encryption algorithm
Support for ATS Mobile ID's via Bluetooth 4.2 low-energy with AES encryption/authentication configurable BLE reading range for up to 6m
Mifare Classic, DESFire & LEGIC-Advant RFID read/write unit
Red/Green/Blue LED indicator for access & write functions
Integrated buzzer
2 monitored inputs & tamper switch
Coded relay interface
RS485 IBB/S 56kbaud secure bus interface to door controller
Temperature range: -10° to +50°C
UV resistance ABS blue/silver enclosure
Dimensions: W82 x H82 x D12 mm
(Fits on top off a DIN-switch box)
Power: 10,5-24VDC / 80 mA max.

Delivery Contents:

DIGIlock-QM (packs of 10) complete with installation and wiring instructions.

Options:

DIGIcontrol-CRp:

CMOS microprocessor with encrypted reader interface
1x Relay output for lock control
2x monitored inputs for door monitoring, egress button, ...
1x digital input for reader authorisation after installation
Dimensions: Ø60 x H21mm (fits in DIN-switch box)
Power: 10,5-24VDC / 30 mA max.
Temperature range: -10° to +50°C

DIGIlock-QM/black

As DIGIcontrol-PB but with black/silver colour

Information contained in this document is correct at time of publication (09-10-20) and subject to change without notice.

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