

Document Information

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dbCageGuard Solution Overview

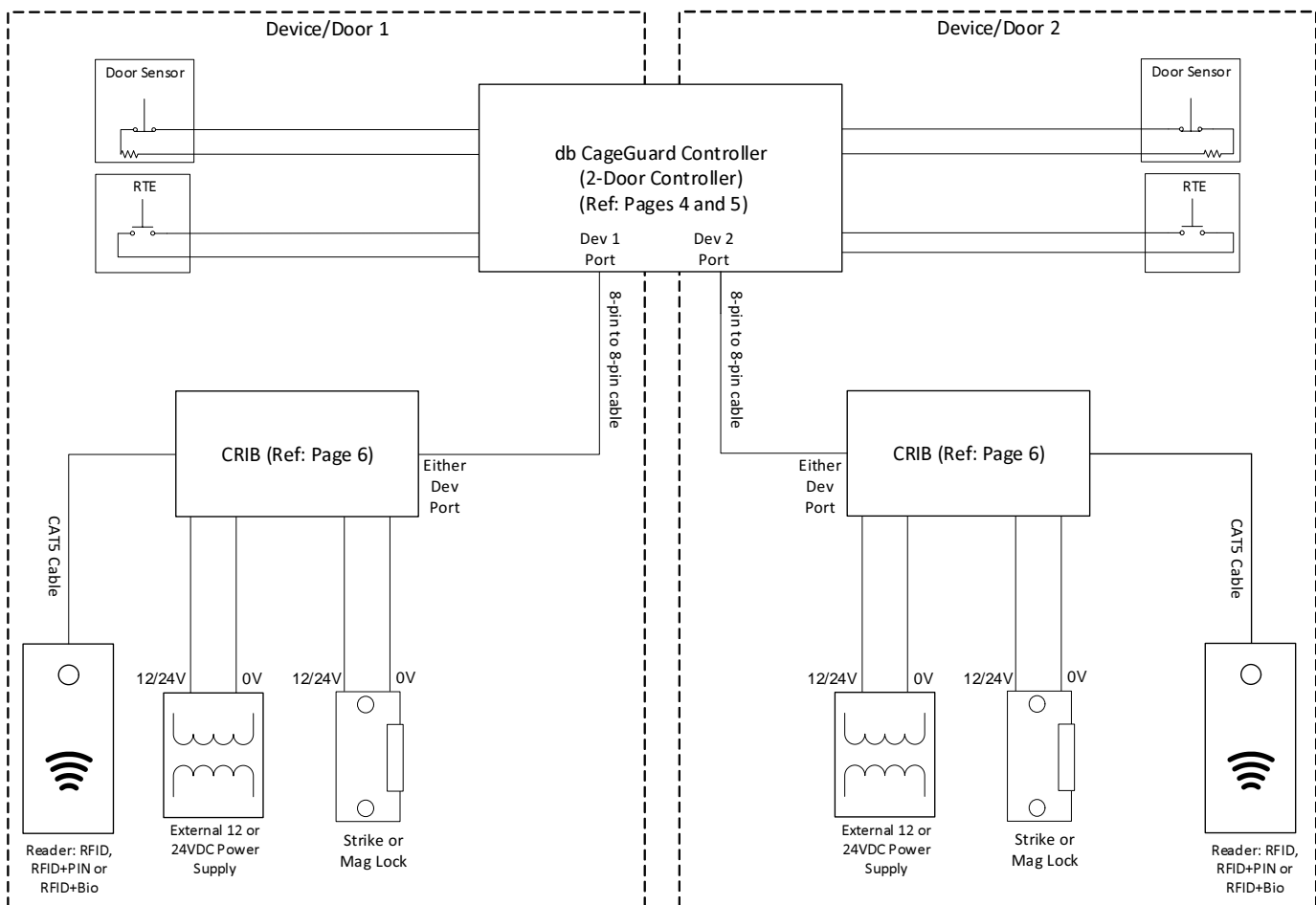
The dbCageGuard solution is a cost-effective way of securing cage and aisle-containment doors within a data center, offering authentication methods from RFID Card only, RFID+PIN or RFID+Biometric (fingerprint).

The dbCageGuard Controller is a compact 2-door control unit. The solution for each door consists of:

- a Card Reader Interface Box (CRIB)
- an authentication device
- a lock (strike or mag)
- external power supply for the lock
- door contacts

The diagram below shows the architecture of the dbCageGuard solution

db CageGuard – Block Diagram



Installing the dbCageGuard Controller

It is important to record the MAC Address and location of each dbCageGuard Controller.

The MAC Address is used when identifying each unit within the Digitus DAS-SQL software.

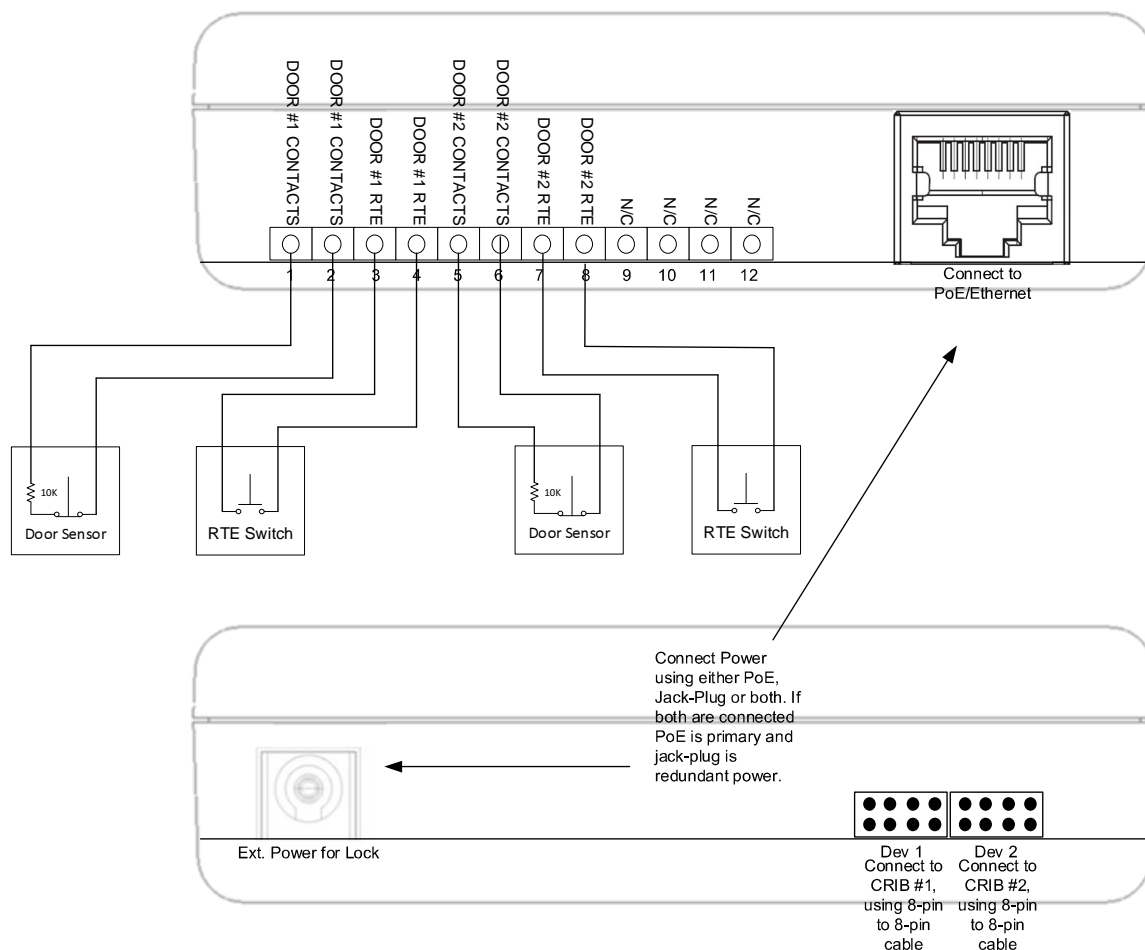
The dbCageGuard Controller measures 4" x 2" x 1" (10.2cm x 5.1cm x 2.6cm). It can be installed in a nearby server-cabinet or in a separate enclosure mounted inside the cage or in a utility room. The dbCageGuard Controller is mounted using the supplied VHB tape.

The supplied door contacts need to be mounted in a suitable location on the doorframe. The magnet should be mounted on the door. The contacts and the magnet should be no more than 3/8" apart when the door is closed.

The Request-to-Exit (RTE) switch is not supplied, but if this is required, it should be mounted at a suitable location on the inside of the cage, close to the door. Ensure that the RTE switch cannot be reached and pressed from outside the cage.

Connect the door contacts and the RTE for each door to the dbCageGuard Controller as shown below.

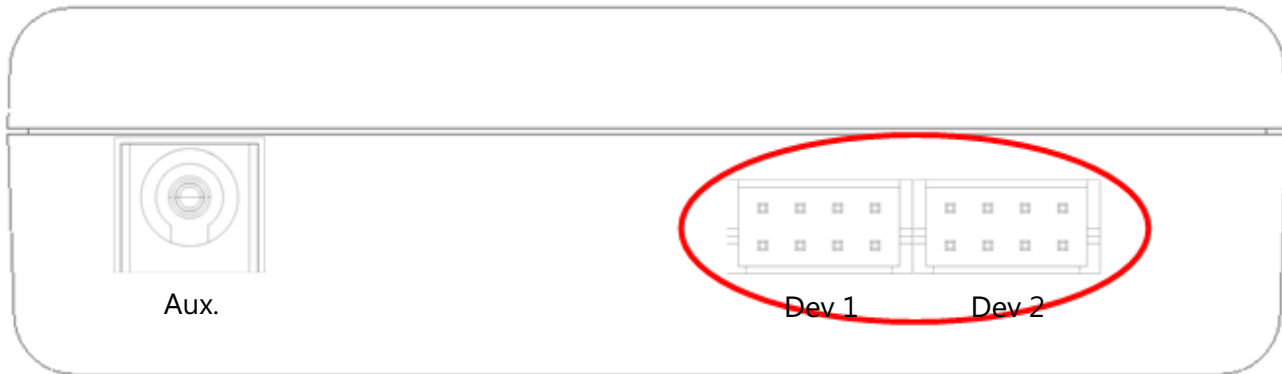
db CageGuard Controller



Connecting the dbCageGuard Controller to the CRIB

Connect an 8-pin to 8-pin cable (supplied) between the dbCageGuard Controller and the CRIB.

Use the Dev 1 port for Door 1 and the Dev 2 port for Door 2 on the dbCageGuard Controller.



Card Reader Interface Box (CRIB) Installation

The CRIB is an interface box that is installed between the lock (optionally supplied) and the dbCageGuard Controller.

The lock, the power supply for the lock and the Reader ALL connect to the CRIB.

The CRIB is then connected with an 8-pin to 8-pin cable to the dbCageGuard Controller. A separate CRIB is used for each door.

The Reader plugs into the RJ45 socket on the CRIB.

The diagram below shows how to wire the CRIB.

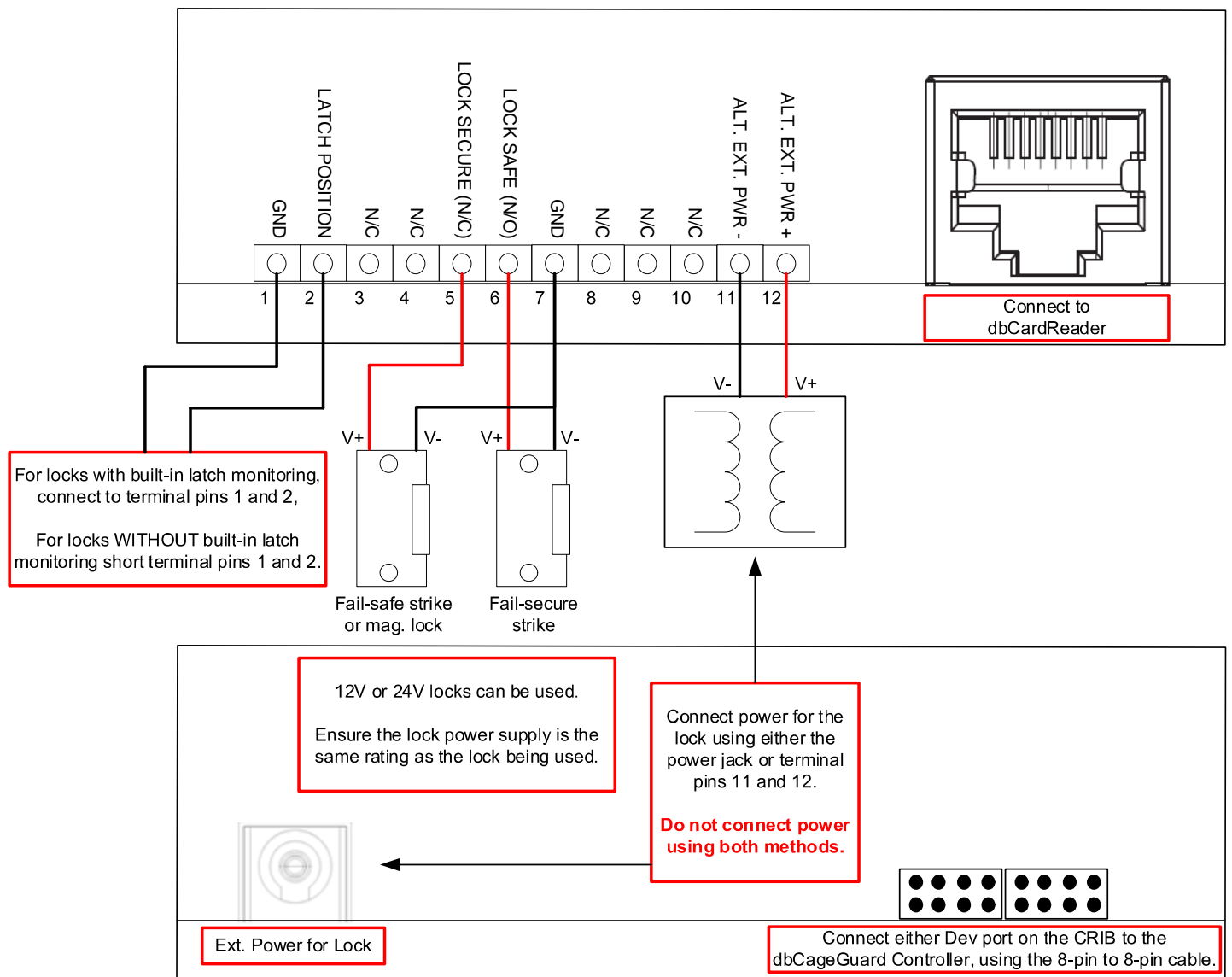


Figure 4 – Card Reader Interface Box (CRIB) Wiring Diagram