DIGITUS
Data Center Access Control

db CageGuard
Installation Manual

Version 1.0

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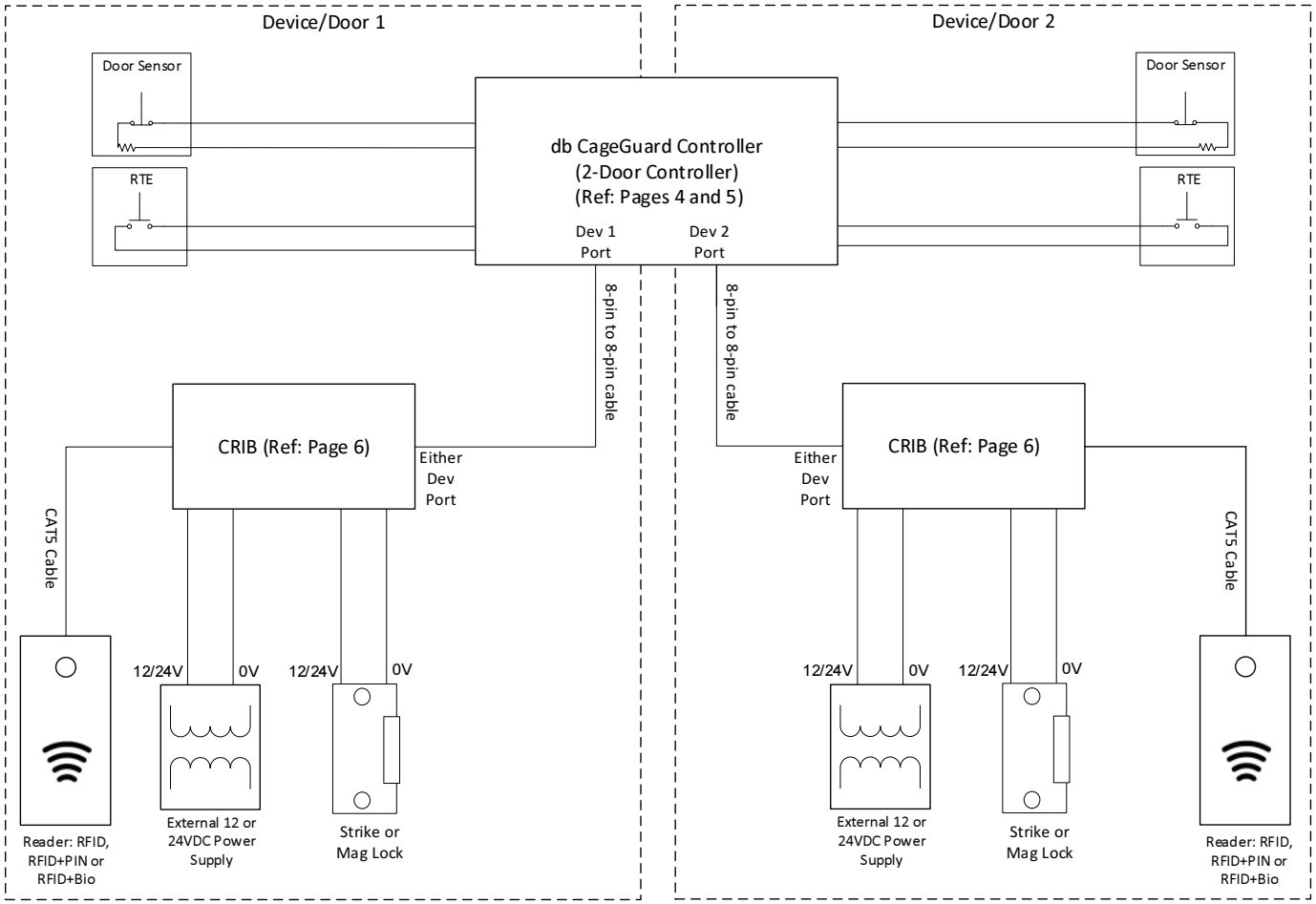
db CageGuard Overview

The db CageGuard product is a cost-effective way of securing cage and aisle-containment doors within your data center. Select your authentication method from RFID Card only, RFID+PIN or RFID+Biometric (fingerprint).

A db CageGuard Controller is a compact 2-door control unit. The solution for each door consists of a Card Reader Interface Box (CRIB), a authentication device, a lock (strike or mag.) and an external power supply for the lock.

The diagram below shows the architecture of the db CageGuard solution

db CageGuard – Block Diagram



Installing the db CageGuard Controller

It is important to record the MAC Address and location of each db CageGuard Controller. The MAC Address is used when identifying each unit within the Digitus DAS-SQL software.

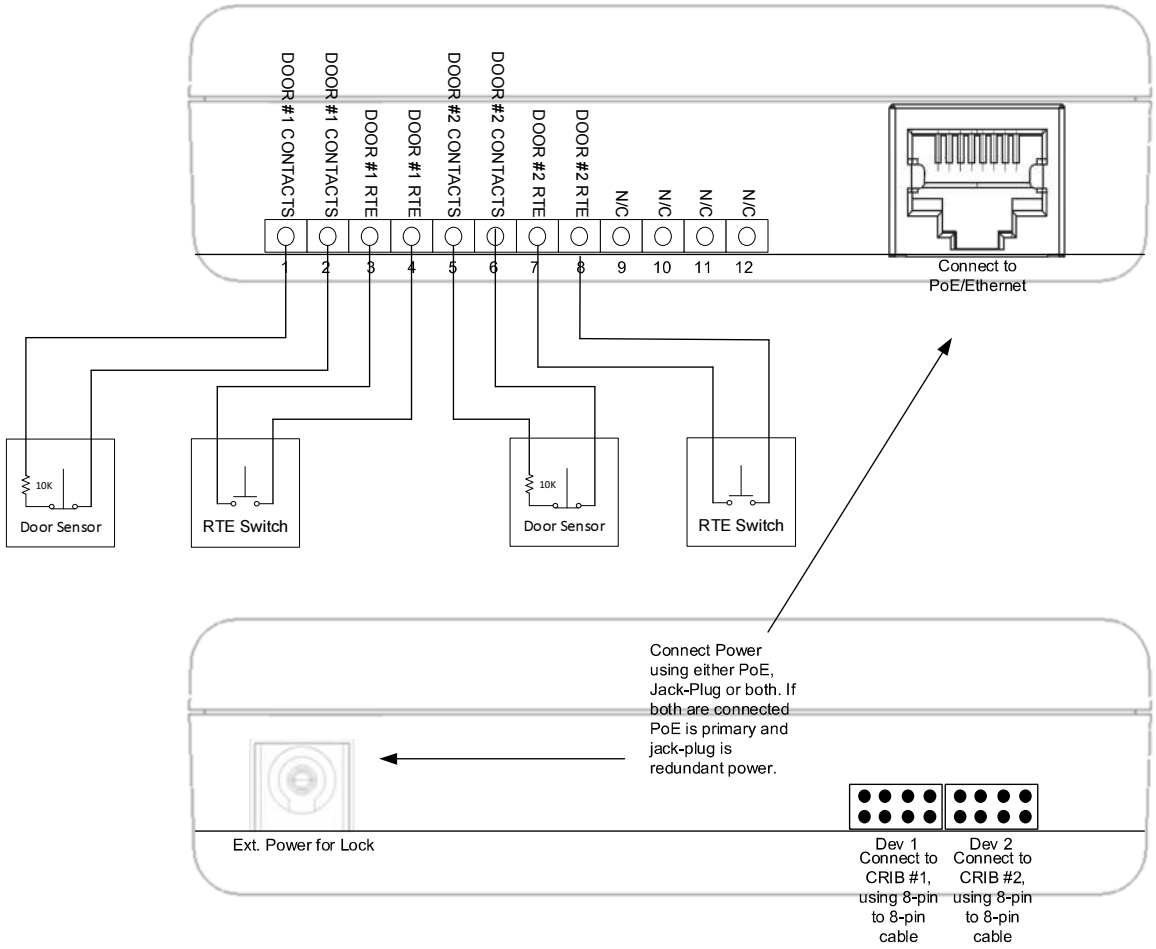
The db CageGuard Controller measures 4" x 2" x 1" (10.2cm x 5.1cm x 2.6cm). It can be installed in a nearby server-cabinet or in a separate enclosure mounted inside the cage or in a utility room. The CageGuard Controller is mounted using the supplied VHB tape.

The supplied door contacts need to 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 of 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 db CageGuard Controller as shown below.

db CageGuard Controller



Connecting the db CageGuard Controller to the CRIB

Connect an 8-pin to 8-pin cable (supplied) between the db CageGuard Controller and the CRIB. Use the Dev 1 port for Door 1 and the Dev 2 port for Door 2 on the db CageGuard Controller.

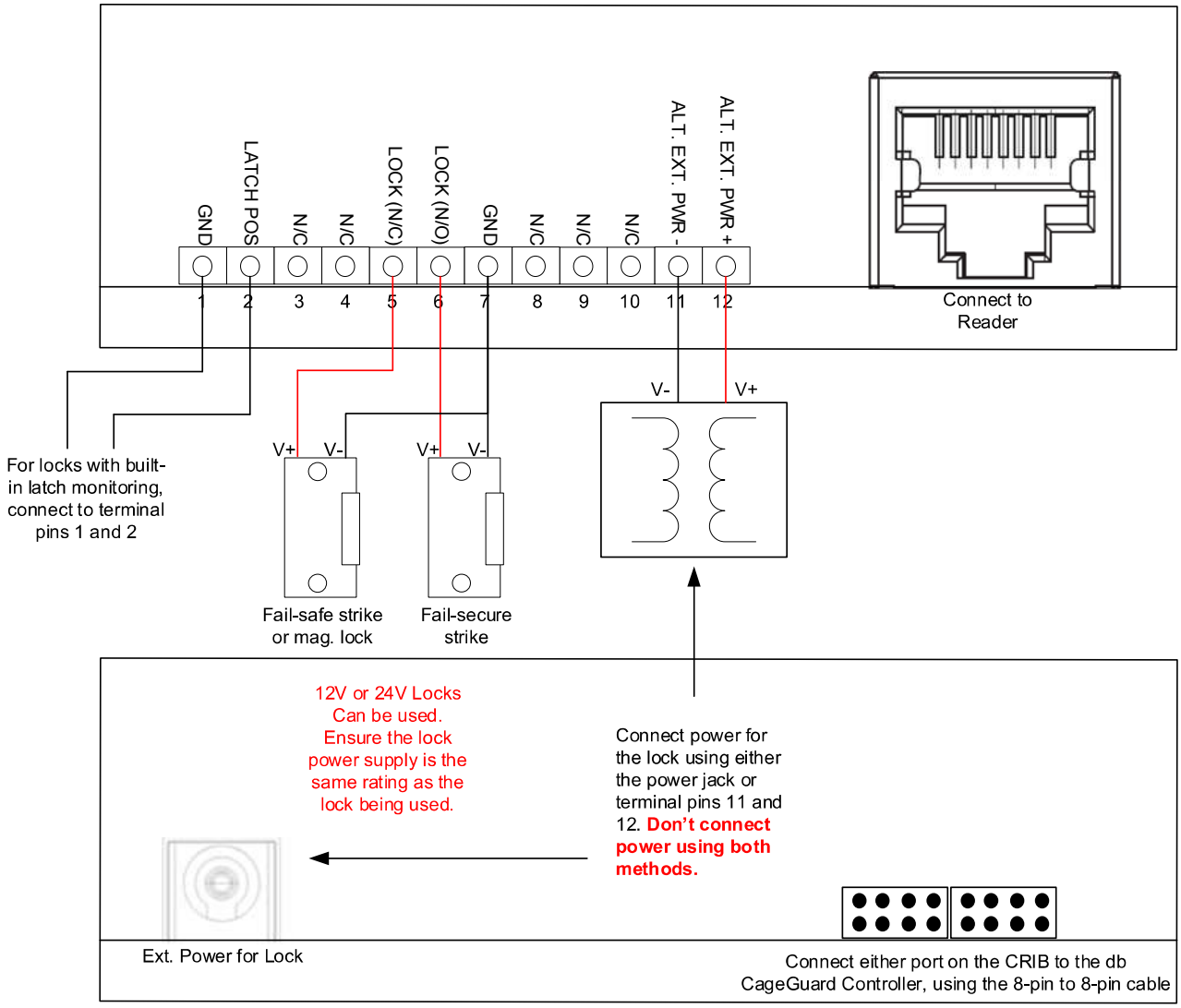
Card Reader Interface Box (CRIB) Installation

The CRIB is an interface box, that is installed between the lock (optionally supplied) and the db CageGuard Controller. The lock, the power supply for the lock and the Reader connect to the CRIB. The CRIB is then connected with an 8-pin to 8-pin cable to the db CageGuard 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.

Card Reader Interface Box (CRIB)



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