Suprema Webinar 2020

CoreStation 4 Door Access Control Kit

Speaker

Jeff Donahou
North America Technical Support Lead Manager

Date: July 15, 2020
Time: 09:00 (EST)

Date: July 16, 2020
Time: 15:00 (EST)

Don't miss getting the promotion code!

Attend the webinar from the start time until the duration time.

Confirm your email box for the promotion code once this webinar ends

Check the validation of the promotion code email. It's for one-time order within this period

🎁 If you **attend the webinar from the start time** and **stay for the duration time**, Suprema team will send the promotion code for the attendees.

Once you get the email from Suprema team, and place an order of CoreStation 4 Door Kit, please provide the Suprema Team's email to Suprema Sales Team for a special discount.
(Promotion Code Email is valid from Jul. 15 to Aug. 14, 2020, this is for one-time order within this promotion period.)

Please note Suprema team won't send the promotion code if the attendee is late or leave the webinar early.

FAQ about Suprema Webinar

❖ How can I get the Webinar Contents?

1) Email
✓ After this webinar, Suprema Team will provide the presentation and the recorded video file to your registered emails. It can take up to 5 days after reviewing the files with the included QA list.

2) Website (Suprema Technical Support Site)
✓ After this webinar, you can also find the information with the included QA list to the below site. Search Suprema Webinar on the site. Or, simply google it.
✓ https://support.supremainc.com

3) SNS Channel & YouTube
✓ Plus, we will post the information to YouTube, Facebook, and LinkedIn. (Simply search it on each site)

FAQ about Suprema Webinar

❖ **How to ask a question during the Webinar.**

Notification: Question Session

✓ During the presentation, we will have QA session to make the webinar interactive.

✓ You can leave your questions through the **QA box**.

✓ Or you can raise your hand from the menu bar, and you will be available to **unmute your microphone** once the host confirms your sign from Attendee's list.

✓ *When you speak through a microphone*, please **say your name** and **ask question**. *We will answer one by one, so please kindly wait for your turn.*
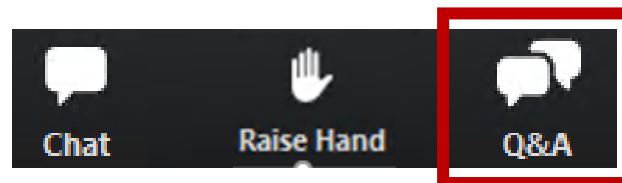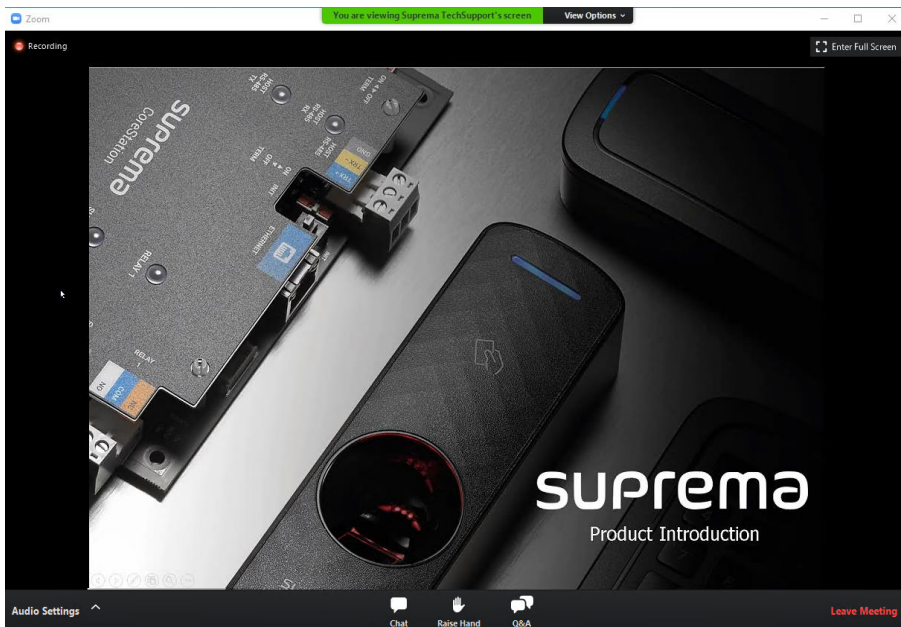
FAQ about Suprema Webinar

❖ How to ask a question during the Webinar.

Please mouse over on the bottom of your screen, the following 3 buttons will appear.

1) [Q&A] Box for leaving your question

✓ During the webinar, you can leave your questions to **QA box anytime.** Suprema agents in the panels will answer in real time.

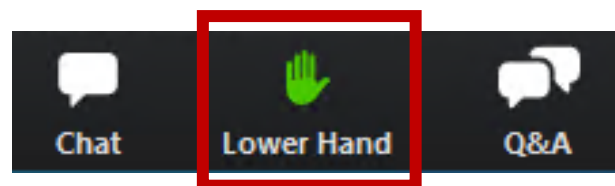# FAQ about Suprema Webinar

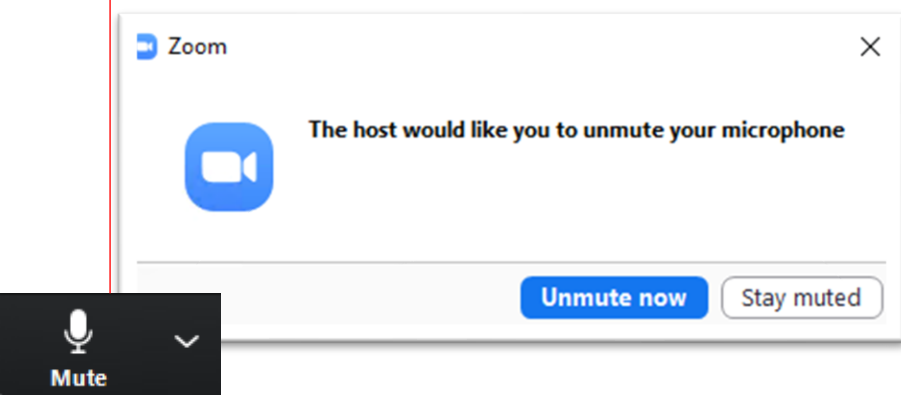## ❖ How to ask a question during the Webinar.
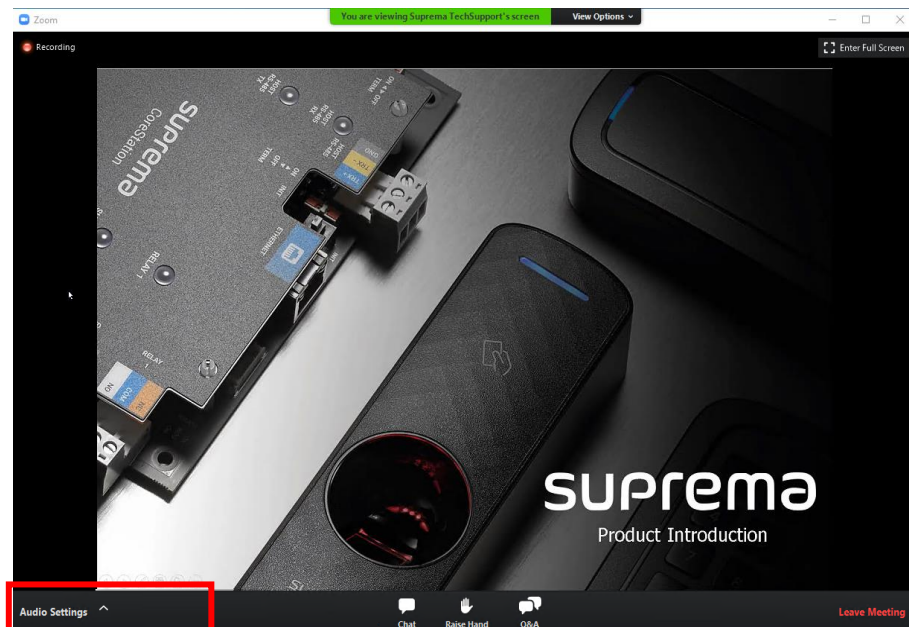

2) [Raise Hand] for a Question Session

Please click on [Raise Hand] on the menu bar if you have any questions. The color will turn to Green.

Host will allow you to unmute your microphone and you can then unmute your microphone.

But you can also click [Raise Hand] during the webinar anytime if you have any questions.

Contents

1. What is the CoreStation (CS-40)?

What is the CoreStation (CS-40)?

Suprema's Intelligent Biometric Controller

- 4 Door Access Controller

- Matching all type of credentials (Card, Biometrics, Mobile)

- Compatible with all standard readers

- Stores up to 500,000 users

- Suitable for SMB to Enterprise System(Max. 132 Door)

- Easy setup and configuration via webserver and App.
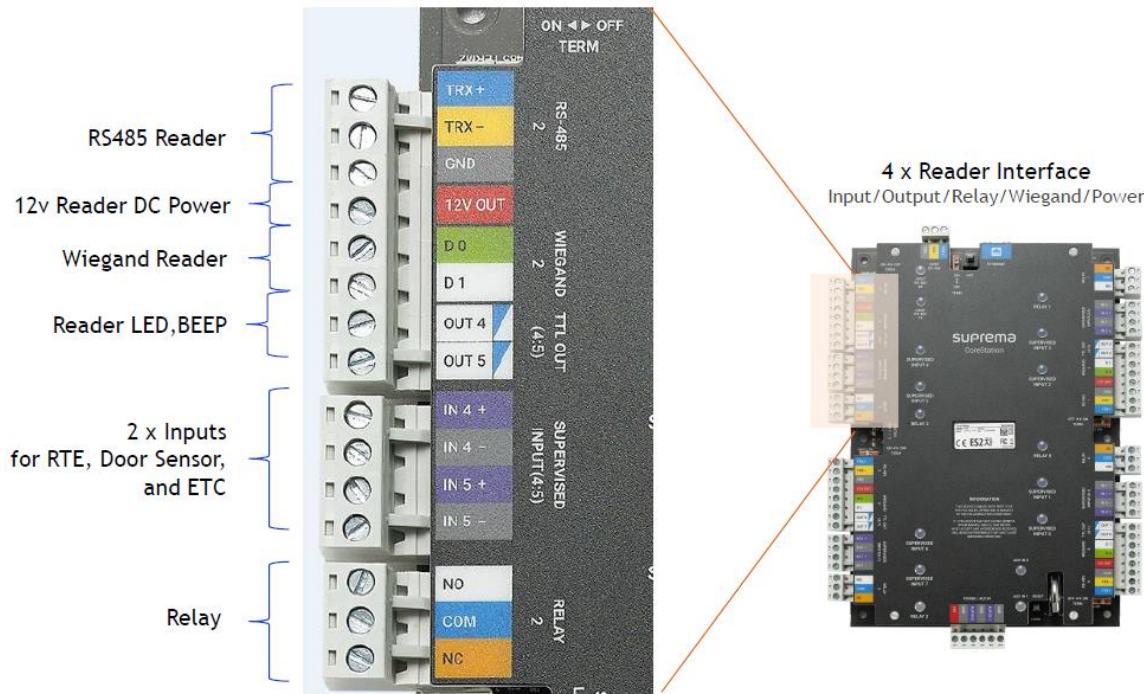
What is CoreStation (CS-40)?

CoreStation supports four on-board reader ports for both Wiegand and RS485 interface along with relays, inputs, and reader power-out.

CoreStation Specs	
CPU	1.4 GHz Octa Core
POWER /AUX IN	DC 12V, 3A
Memory	8 GB Flash + 1 GB RAM
Max. Users	500,000 (1:1) and 100,000 (1:N)
Max. Templates	1,000,000 (1:1) and 200,000 (1:N)*
Max. Text Logs	5,000,000 (text)
Serial Comm. Protocol	OSDP V2
Ethernet	10/100 Mbps and Auto MDI/MDI-X
RS-485	5ch
Wiegand	4ch Input
Relay	4 Relays
TTL Input	8ch (Supervised input selectable)
TTL Output	8ch
AUX Input	2ch (AC power fail and tamper)
Certification	CE, FCC, KC, RoHS, WEEE, REACH, UL (Under Testing Currently)

2. CoreStation Kit Readers

	BER2	XPD2(Mullion)	XPD2(Gang Box)	XPD2(Gang Box)
RF Option	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FeliCa	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FeliCa	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FeliCa	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FeliCa
Suprema Mobile Access	NFC	NFC/BLE	NFC/BLE	NFC/BLE
Template	SUPREMA	-	-	-
Sensor Type	Optical Sensor (OP6)	-	-	-
IP rating	-	IP67	IP67	IP67
IK rating	-	IK08	IK08	IK08
RS-485	1ch (OSDP V2)	1ch (OSDP V2)	1ch (OSDP V2)	1ch (OSDP V2)
Wiegand	-	1ch output	1ch output	1ch output
Dimension (WxHxDmm)	50 x 164 x 37.5	48 x 144.7 x 27	80 x 130 x 25	80 x 130 x 25
Certificates	CE, FCC, KC, RoHS, REACH, WEEE	CE, FCC, KC, RoHS, REACH, WEEE, SIG	CE, FCC, KC, RoHS, REACH, WEEE, SIG	CE, FCC, KC, RoHS, REACH, WEEE, SIG

3. Kit Packaging

Scalability

- **Flexible architecture allows the most cost-effective solution –> Suprema 4 DOOR ACCESS CONTROL PACKAGE for SMB Market**
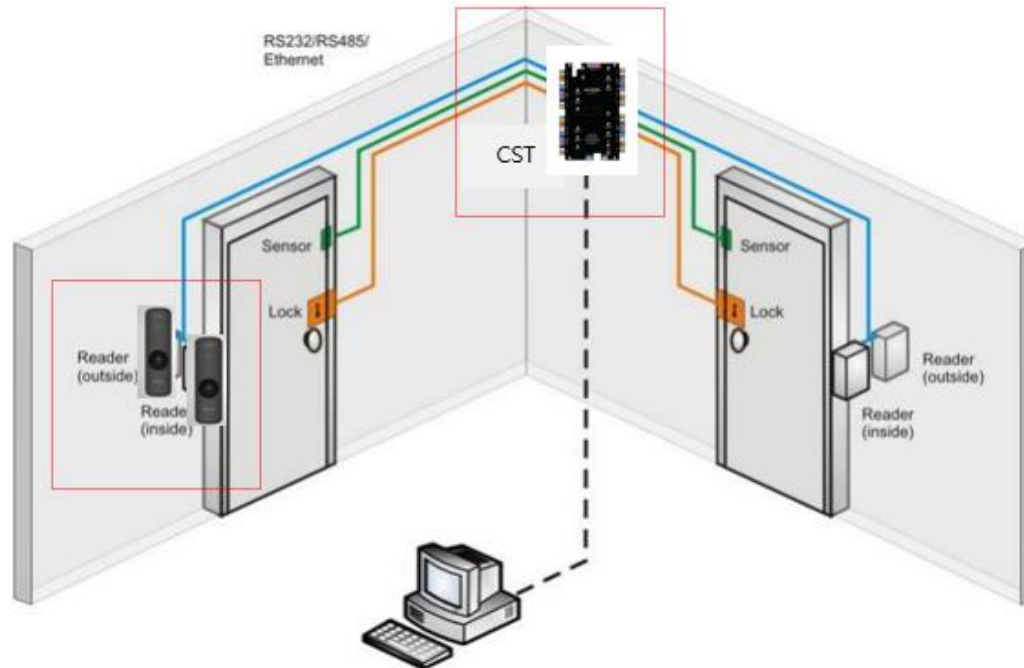

	Component
CS40-KIT-1	CS40(1ea) / XPD2-MDB(4ea)
CS40-KIT-2	CS40(1ea) / XPD2-GDB(4ea)
CS40-KIT-3	CS40(1ea) / XPD2-GKDB(4ea)
CS40-KIT-4	CS40(1ea) / BER2-OD(4ea)

4. CoreStation Implementations

CoreStation System Implementations

Example
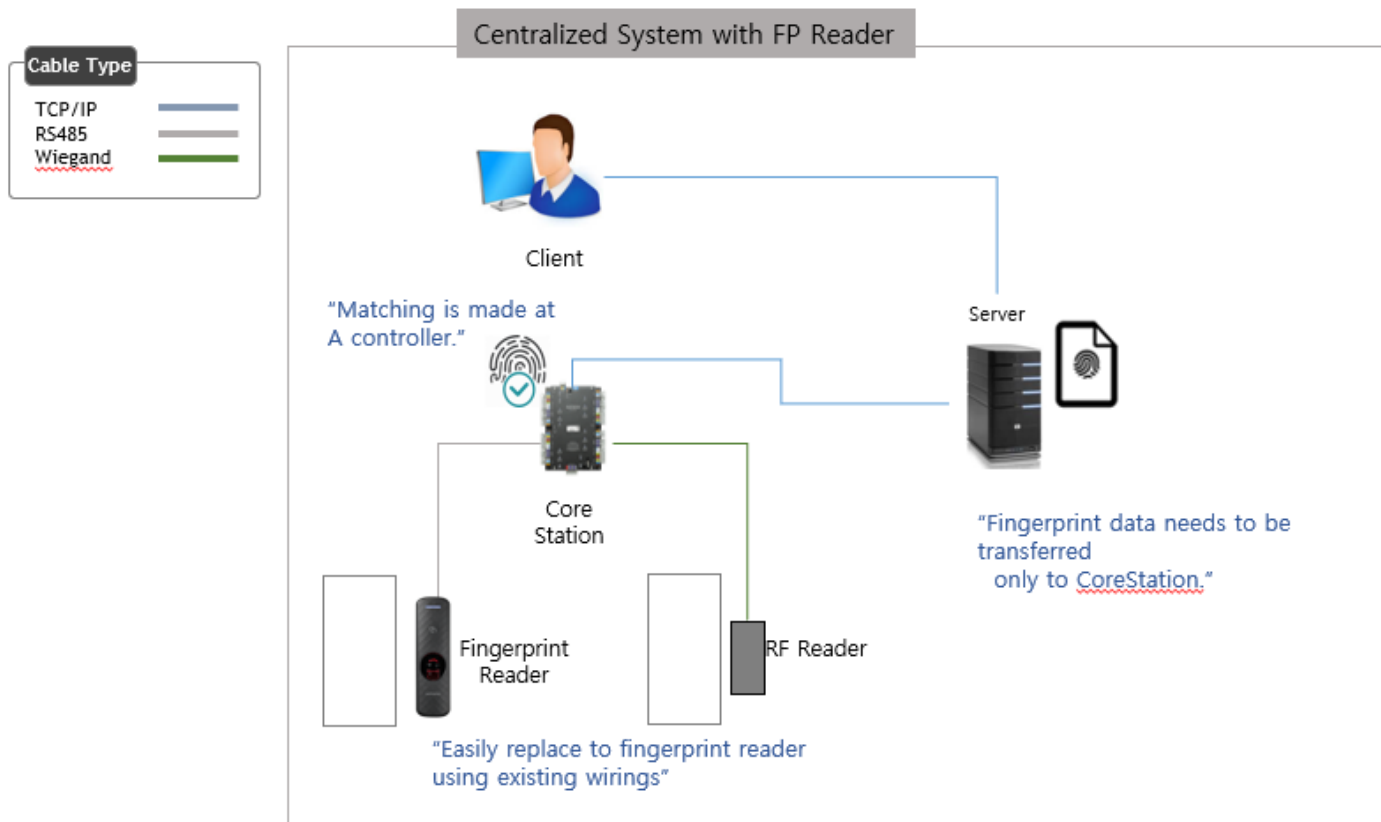

Change without additional wiring

CoreStation System Implementations

CoreStation (Biometric Matcher)

Centralized System with FP Reader

Cable Type
- TCP/IP
- RS485
- Wiegand

Client

"Matching is made at A controller."

Server

Core Station

"Fingerprint data needs to be transferred only to CoreStation."

Fingerprint Reader

RF Reader

"Easily replace to fingerprint reader using existing wirings"

5. CoreStation Configuration by RS485

CoreStation System – Configuration by RS485

✓ **4 Door Configuration**

CoreStation System – Configuration by RS485

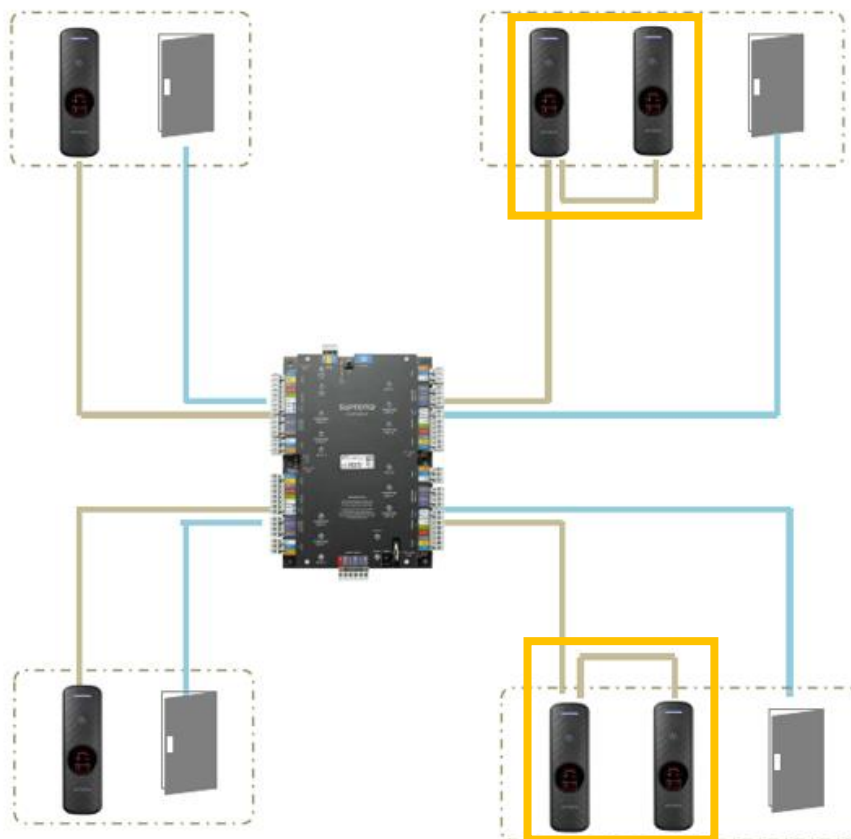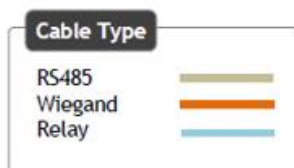✓ **4 Door Configuration**

Cable Type
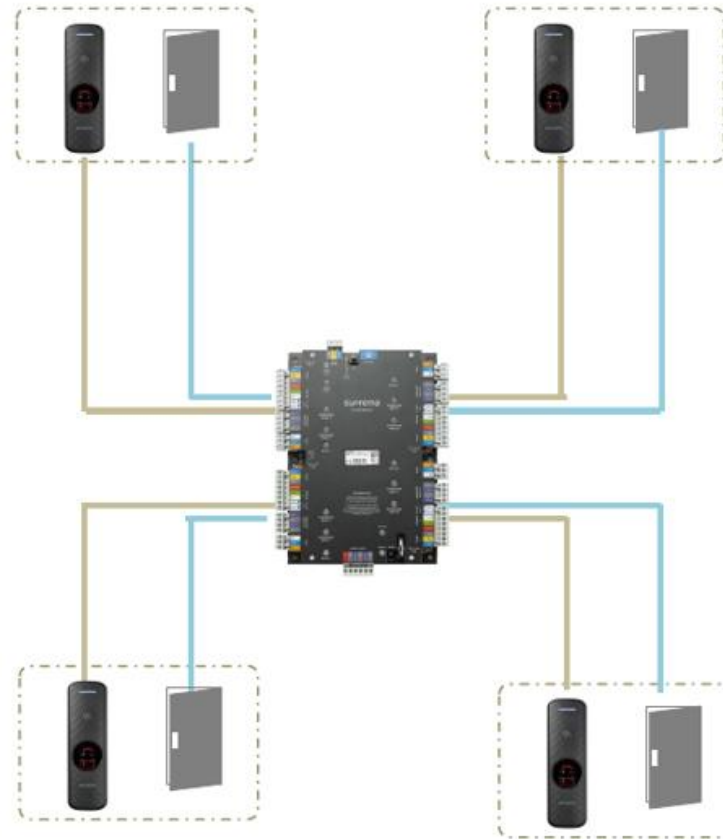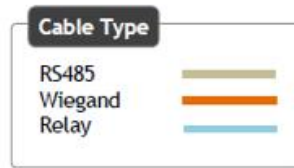
RS485
Wiegand
Relay

*When using RS485 daisy chain, reader power-out from CoreStation may not be strong enough. So it's recommended to use an additional power connection.

CoreStation System – Configuration by RS485

✓ **Caution**

The RS-485 transmission system requires **AWG 24 twisted-pair** cables for best results, to maximize its noise rejection characteristics. The characteristic impedance of the cable is recommended to be 120 ohms.

Terminating resistance (120ohm)

CoreStation Terminating resistance switch ON

CoreStation System – Configuration by RS485

✓ **Caution**

How to connect RS485 cables by daisy chain in correct way?

Correct daisy chain

Not a proper daisy chain
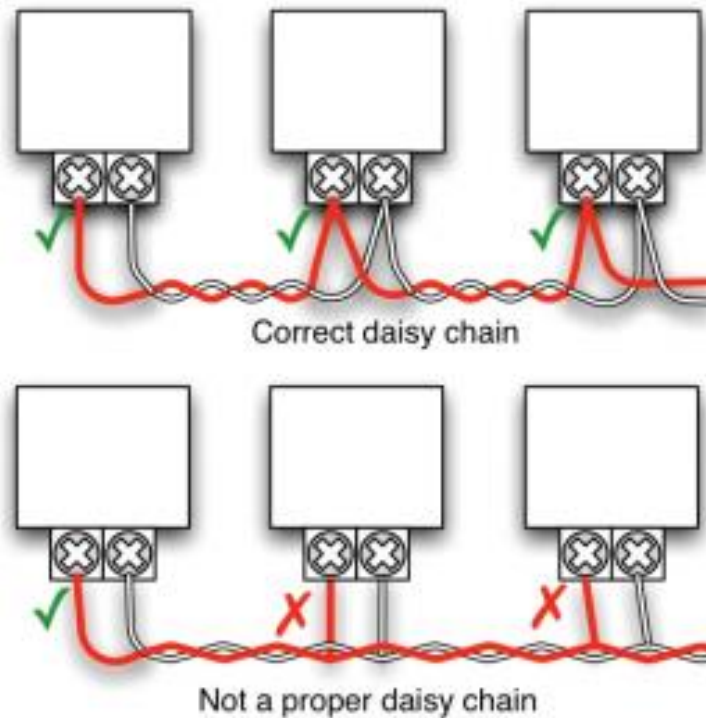
6. How to wire and program a CoreStation Kit System with BioStar 2.

suprema

4 DOOR
ACCESS CONTROL *KIT*

https://youtu.be/VNRbYBvtdy4

Thank you!