

# CoreStation

Intelligent Biometric Controller



Suprema CoreStation is an intelligent door controller which provides the advantages of a biometric-enabled security over a centralized access control systems. Designed for mid to enterprise-level systems, the CoreStation handles up to 500,000 users with an incredible fingerprint matching speed of upto 400,000 match/sec. With the provisions of high-performance, biometric readiness, Ethernet communication, CoreStation is capable of offering the full features of the BioStar 2 platform. The device provides centralized biometric template management and also interfaces with complete set of reader technologies including RS-485(OSDP) and Wiegand. With its versatility, CoreStation is a perfect access control solution for both new installations as well as a replacement of existing systems.



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### Centralized Biometric Access Control

- · Centralized storage of biometric and access group data Complete controller functionalities with fingerprint matching
- Multi-port interface for fingerprint/RF readers
- Supports locks, sensors, RTE, and alarm devices

### Enterprise-level Capacity

- Max 500,000 users (1 million fingerprint templates)
- 500,000 RF cards / 5,000,000 event logs High-speed fingerprint matching
- Max 400,000 match/sec (genuine matching)

### Improved Security

• No Ethernet connection to the door reader

System Flexibility and Scalability

• No data storage at the door reader Secured communication between server and CoreStation (TLS 1.2)

Controls up to 132 access points with extension modules (DM-20)

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• Elevator Control (OM-120) Supports OSDP (Open Supervised Device Protocol)

#### Fully Compatible with BioStar 2 $\nearrow$ BioStar 2

- Easy operation and configuration
- · Comprehensive access control and time & attendance functionalities

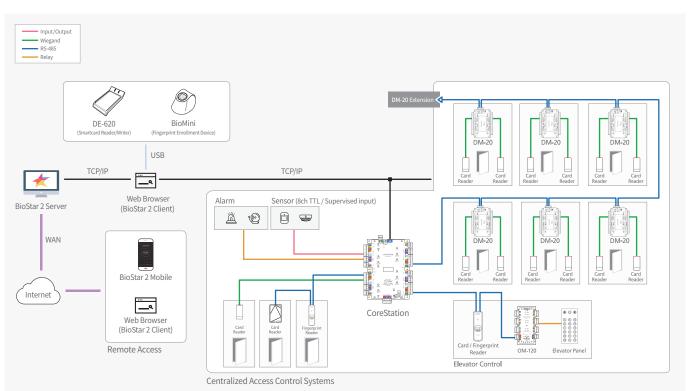
### Specifications

Model Name	CS40
CPU	1.4 GHz Octa Core
Memory	8GB Flash + 1GB RAM
Max. User	500,000 (1:1), 100,000(1:N)
Max. Template	1,000,000(1:1),200,000(1:N)*
Max. Logs	5,000,000(text)
Serial Comm. Protocol	OSDP V2
Ethernet	10/100Mbps, 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, Tamper)
Operating Temperature	0°C ~ 50°C
Dimensions (WxHxD,mm)	150 x 214 x 21 mm
Power	DC 12V
Power Output (Reader)	4ch (DC 12V)
Certification	CE, FCC, KC, RoHS, WEEE, REACH

\* Two templates per finger

### System Configurations

<u>SUPrema</u>



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