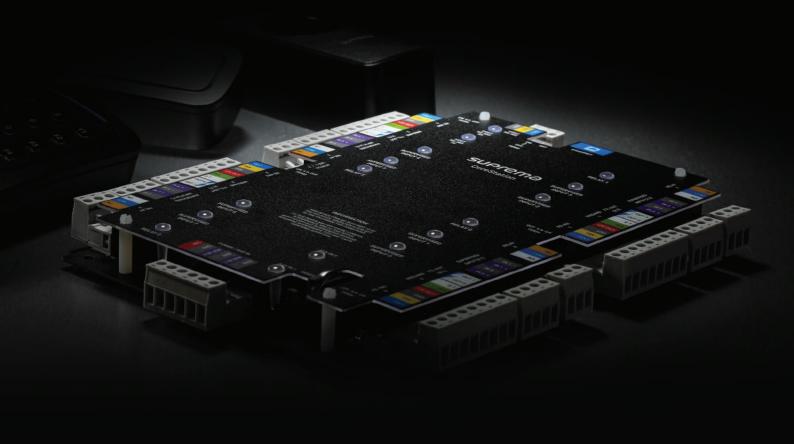


CoreStation

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.

CoreStation

Intelligent Biometric Controller

Features



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



System Flexibility and Scalability

- Controls up to 132 access points with extension modules (DM-20)
- Elevator Control (OM-120)
- Supports OSDP (Open Supervised Device Protocol)



Fully Compatible with BioStar 2

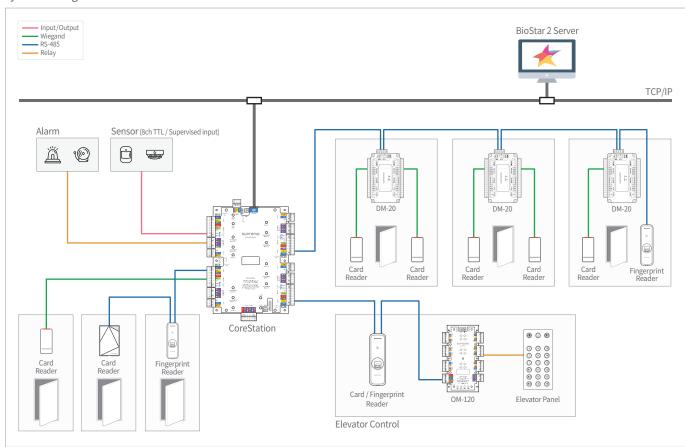
- Easy operation and configuration
- Comprehensive access control and time & attendance functionalities

Specifications

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		
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)	CPU	1.4 GHz Octa Core
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)	Memory	8GB Flash + 1GB RAM
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)	Max. User	500,000 (1:1), 100,000(1:N)
Serial Comm. Protocol 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) Power DC 12V Power Output (Reader) 4ch (DC 12V)	Max. Template	1,000,000(1:1), 200,000(1:N)*
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)	Max. Logs	5,000,000(text)
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)	Serial Comm. Protocol	OSDP V2
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)	Ethernet	10/100Mbps, auto MDI/MDI-X
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)	RS-485	5ch
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)	Wiegand	4ch input
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)	Relay	4 relays
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)	TTL Input	8ch (Supervised input selectable)
Operating Temperature 0°C ~ 50°C Dimensions (WxHxD,mm) 150 x 214 x 21 mm Power DC 12V Power Output (Reader) 4ch (DC 12V)	TTL Output	8ch
Dimensions (WxHxD,mm) 150 x 214 x 21 mm Power DC 12V Power Output (Reader) 4ch (DC 12V)	AUX Input	2ch (AC Power Fail, Tamper)
Power Output (Reader) DC 12V 4ch (DC 12V)	Operating Temperature	0°C ~ 50°C
Power Output (Reader) 4ch (DC 12V)	Dimensions (WxHxD,mm)	150 x 214 x 21 mm
, , , , , , , , , , , , , , , , , , , ,	Power	DC 12V
Certification CE, FCC, KC, RoHS, WEEE, REACH	Power Output (Reader)	4ch (DC 12V)
	Certification	CE, FCC, KC, RoHS, WEEE, REACH

* Two templates per finger

System Configurations





Suprema Inc.

17F Parkview Tower, 248, Jeongjail-ro, Bundang- gu, Seongnam-si, Gyeonggi-do, 13554, Rep. of KOREA

Tel: +82 31 783 4502 | Fax: +82 31 783 4503 | Inquiry: sales_sys@supremainc.com | www.supremainc.com

©2018 Suprema Inc. Suprema and identifying product names and numbers herein are registered trade marks of Suprema, Inc. All non-Suprema brands and product names are trademarks or registered trademarks of their respective companies. Product appearance, build status and/or specifications are subject to change without notice.

[AHL-CS40-180103-05-EN]