FaceStation F2

Fusion Multimodal Terminal

Unrivaled
Face Recognition
Performance

Best-in-class
Multimodal Device

Contactless Solution
for the New Normal

Robust Device Security and
Data Encryption

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Infrared face recognition

Visual face recognition

Unrivaled face recognition performance by Fusion Matching

FaceStation F2 boasts exceptional authentication accuracy achieved by the fusion matching of visual and infrared(IR) face recognition.

*False Acceptance Rate(FAR) of 1 in 10 billion.

Infrared face recognition

Fusion matching

Visual face recognition

· Suprema's unique algorithm optimizes IR and visual face recognition to produce the industry's best face recognition and anti-spoofing performance

· Proven track record of authentication performance regardless of user ethnicity and face changes powered by deep learning algorithm

Best-in-class multimodal with various credentials

FaceStation F2 offers a wide range of authentication options including face, mobile access, fingerprint and cards.

Face   AI

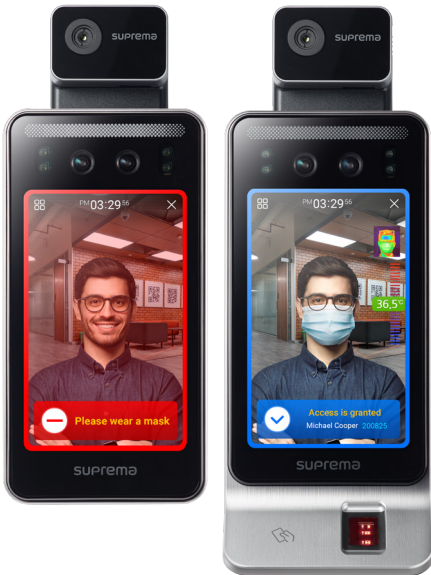Fingerprint   AI

Mobile Access   BLE NFC

Card

· Register up to 100,000 users for fingerprints authentication and 50,000 users for face authentication
· Supports dual frequency access cards, NFC and BLE-based Mobile Access Cards
· Template-on-Card allows authentication via biometric data stored in cards
AI Deep learning-based AI algorithm applied for live face/fingerprint detection

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Contactless solution for new standards of safety and hygiene

FaceStation F2 meets the needs of the post-pandemic world with remote and contactless solution.

· Detects and limits access of users not wearing masks
· Face recognition of users wearing masks
· Remote user enrollment through profile photo uploads
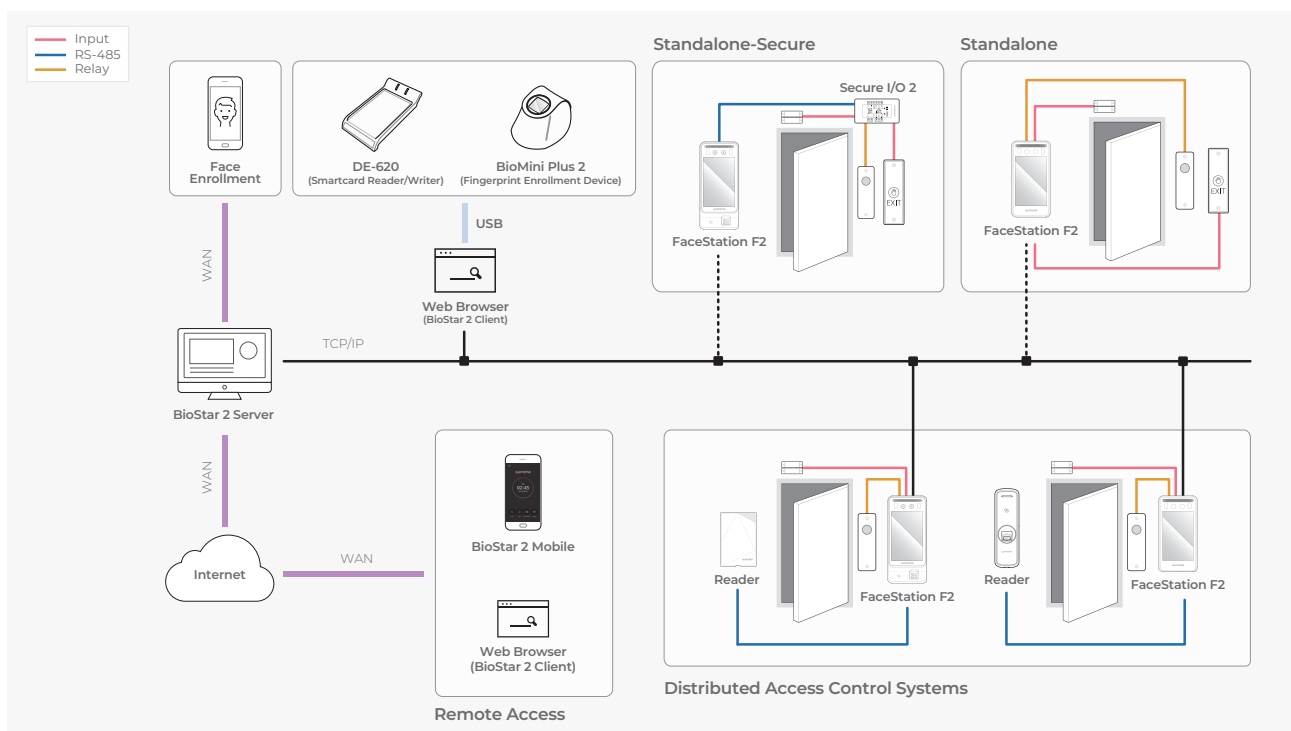· Combines with Suprema Thermal Camera to identify users with elevated skin temperature

Robust device security and data encryption

FaceStation F2 is equipped with security measures to protect user data.

· Highest level of device security including secure booting process
· Encrypts all biometric credentials and personal information

System Configurations

Input
RS-485
Relay

Face Enrollment

DE-620
(Smartcard Reader/Writer)

BioMini Plus 2
(Fingerprint Enrollment Device)

USB

Web Browser
(BioStar 2 Client)

TCP/IP

BioStar 2 Server

WAN

WAN

WAN

Internet

BioStar 2 Mobile

Web Browser
(BioStar 2 Client)

Remote Access

Standalone-Secure

Secure I/O 2

FaceStation F2

Standalone

FaceStation F2

Reader

FaceStation F2

Reader

FaceStation F2

Distributed Access Control Systems

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Product Specification

Category	Feature		FSF2-DB	FSF2-AB	FSF2-ODB
Credential	Biometric		Face	Face	Face, Fingerprint
	RF Option		125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2/EV3[1], FeliCa	125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2/EV3[1], FeliCa, iCLASS SE/SR/Seos	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2/EV3[1], FeliCa
	RF Read Range[2]		EM/MIFARE/DESFire : 50 mm (2"), FeliCa: 30 mm (1.2")		
	Mobile		NFC, BLE		
General	CPU		1.8 GHz Dual Core + 1.4 GHz Quad Core		
	Memory		16GB Flash + 2GB RAM		
	Crypto Chip		Supported		
	LCD Type		7" IPS color LCD		
	LCD Resolution		800 x 1280 pixels		
	Sound		16 bit		
	Operating Temperature		-20°C ~ 50°C (-4°F ~ 122°F)		
	Operating Humidity		0% ~ 80%, non-condensing		
	Dimension (W x H x D, mm)		119.8 x 233 x 23.5 (4.7" x 9.1" x 0.9")		119.8 x 268.3 x 49.6 (4.7" x 10.5" x 1.9")
	Weight	Device	585g		670g
		Bracket (Including washer and bolt)	181g		205g
	Ingress Protection (IP)		IP65		
	Certificates		CE, FCC, KC, RoHS, REACH, WEEE		
Face	Recognition Distance		0.5m ~ 1.3m (19.7" ~ 51.2")		
	Recognition Height		140cm ~ 190cm (55.1" ~ 74.8")		
	Matching Speed		Less than 0.5 sec		
	Live Face Detection (Anti-Spoofing)		Supported		
Fingerprint	Image Dimension		N/A		300 x 400 pixels
	Resolution				500 dpi
	Template				SUPREMA / ISO19794-2, ANSI-378
	Extractor / Matcher				MINEX certified and compliant
	Sensor Certificates				FBI PIV and FBI Mobile ID FAP20
	Live Fingerprint Detection				Supported (SW-based)
Capacity	Max. User (1:1) *Based on one face/fingerprint enrollment per user		100,000		
	Max. User (1:N) *Based on one face/fingerprint enrollment per user		Face: 50,000		Face: 50,000 Fingerprint: 100,000
	Max. Text Log		5,000,000		
	Max. Image Log		50,000		
Interface	Ethernet		10/100 Mbps, auto MDI/MDI-X		
	RS-485		5ch		
	RS-485 Communication Protocol		OSDP V2 Compliant		
	Wiegand		1ch Input or Output (Selectable)		
	TTL Input		2ch Inputs		
	Relay		1 Relay		
	USB		USB 2.0 (Host)		
	Tamper		Supported		
Power			DC 12V 1.9A, DC 24V 1A * Use a DC 24V 1A adapter. Must follow the product manual when using a DC 12V adapter.		

[1] DESFire EV2/EV3 cards are supported by having backward compatibility of DESFire EV1 cards. CSN and smart card functions are compatible with FaceStation F2.
[2] RF read range will vary depending on the installation environment.