Product specifications

Category	Feature	Specification
Credential	Biometric	Face, Fingerprint
	RF Option	125 kHz EM & 13.56 MHz MIFARE, MIFARE Plus, DESFire EV1/EV2*, FeliCa
	RF read range**	EM/MIFARE/DESFire: 50 mm / Felica: 30 mm
	Mobile	NFC, BLE
General	CPU	1.8 GHz Dual Core + 1.4 GHz Quad Core
	Memory	16 GB Flash + 2 GB 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
	Storage temperature	-40°C–70°C
	Operating humidity	0 %–80 %, non-condensing
	Storage humidity	0 %–90 %, non-condensing
	Camera	2MP 2EA
	Dimension (W x H x D)	119.8 x 268.4 x 49.7 (mm)
	Weight	• Device: 670 g • Bracket (Including washer and bolt): 205 g
	IP rating	IP65
	Certificates	CE, FCC, KC, RoHS, REACH, WEEE
Face	Recognition Distance	0.5–1.3 m
	Recognition Height	1.4–1.9 m
	Matching speed	Less than 0.5 sec
	Live Face Detection	Supported
Fingerprint	Image dimension	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 (Deep learning-based)
Capacity	Max. User	100,000***
	Max. Credential (1:N)	• Fingerprint: 100,000 • Face: 50,000
	Max. Credential (1:1)	• Fingerprint: 100,000 • Face: 100,000 • Card: 100,000 • PIN: 100,000
	Max. Text Log	5,000,000
	Max. Image Log	50,000
Interface	Ethernet	Supported (10/100 Mbps, auto MDI/MDI-X)
	RS-485	1 ch Host or Slave (Selectable)
	Wiegand	1ch Input or 1ch Output (Selectable)
	TTL input	2 ch Inputs
	Relay	1 Relay
	USB	USB 2.0 (Host)
	Tamper	Supported

Electrical	Power	• Power: DC 12 V–DC 24 V (Max. 2.5 A) • Adapter recommended specifications: DC 24 V or DC 12 V (± 10%) with a minimum of 2,500 mA****
	Switch input VIH	Min.: 3 V / Max.: 5 V
	Switch input VIL	Max.: 1 V
	Switch Pull-up resistance	4.7 kΩ (The input pots are pulled up with 4.7 kΩ.)
	Wiegand output VOH	More than 4.8 V
	Wiegand output VOL	Less than 0.2 V
	Wiegand output Pull-up resistance	Internally pulled up with 1 kΩ
	Relay	2 A @ 30 VDC Resistive load 1 A @ 30 VDC Inductive load

* DESFire EV2 cards are supported by having backward compatibility of DESFire EV1 cards. CSN and smart card functions are compatible with FaceStation F2.

** RF read range will vary depending on installation environment.

*** The number of users registered without having any credential data

**** Adapter is sold separately. Refer to the recommended specifications.