SigmaTouch Preliminary Datasheet



SigmaTouch Go



SigmaTouch Pro

Processor	Multi Core 1.8GHz	Multi Core 1.8GHz & NPU
Operating system	Linux based	
Display	Interactive LED with Green Arrow & Red Cross	3,5'' IPS touchscreen Resolution 320x480 Brightness 800 cd/m²
Contactless card	MIFARE, DESFire (EV1, EV2 & EV3), Felica IDm, LEAF Id.	MIFARE, DESFire (EV1, EV2 & EV3) Felica IDm, LEAF Id, HID Iclass SE/SE/SEOS (under licence)
Mobile	No	HID Mobile Acces through NFC, BLE Apple Wallet certified
Audio	Buzzer	Loudspeaker
Time & Attendance functions	No	Up to 16 programmable function keys Real-time employee notifications Job Code management
Access control modes	Identification (search for fingerprint in a local database) Authentication with contactless smartcard, with or without fingerprint check Keypad on touchscreen Multi-factor: identification or authentication Distant: the access control check is fully driven by a remote system	
Fingerprint sensor	CBM type, 14*22mm Optical technology 500dpi, 256 gray levels FBI PIV IQS image quality	
Templates	IDEMIA (PKcomp v2, PKLite, PK Mat) / ANSI 378 / ISO 19794-2	
User record capacity	3K, extendable to 10K (*3 templates each, including 1 duress)	50K, extendable to 100K (*3 templates each, including 1 duress)
Fake finger detection	Multi spectral & Statistical images comparison	
Power Saving mode	Yes. Contactless sensor is triggering the wake-up	
Security	Secure by design & default Secure boot and signed firmware CRA-ready	
Data Protection	AES-256 database Encryption	
GDPR	GDPR-ready. GDPR Recommandations must be applied	
Duress finger	Included, a fingerprint may be chosen to generate a specific event, to trigger an alarm for example	
Anti-pass Back	Included, the user who has successfully passed the access control is rejected if the same user presents again on the same terminal within a configurable lap of time.	
Tamper protection	Magnetic switch	
PIN control	No	Yes
Memory	TBD	TBD
IDs in authorized user list	250 000 Users	
Transaction log capacity	100 000 transactions	



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Admin Mode	MBTA, MorphoManager, Thrid party (Thrift/MACI SDK)	Admin screen menu MBTA, MorphoManager, Thrid party (Thrift/MACI SDK)
Ethernet	Ethernet 10/100 Base T (MDI, MDI-X) TCP, SSL, TLS 1.2-1.3 protocols available 802.1X network authentication (option)	
Serial port	Wiegand In for external reader Wiegand Out (customizable up to 512 bits) LED1/LED2 to get door controller feedback OSDP V1 and V2 (Secure Channel AES-128 Encrypted) - RS485 SSCP for transparent card reading – RS485 Serial port is multiplex - Configuration possibilities are described in Installation Guide	
GPIO	2 GPI, 2 GPO Single Door Access Control Included	2 GPI, 2 GPO Single Door Access Control Included
Output relay switches	Access granted: 1 switch 2 outputs (normally “open” & normally “closed”)	
Power supply	12 to 24 VDC power supply (1A min @12V) or by PoE (Power over Ethernet) through RJ45 connector	
Operating conditions	Temperature: -20°C to 55/60°C (-4°F to 135/140°F) Humidity: 10% < RH < 95% (non condensing)	
Storage conditions	Temperature: -25°C to 70°C (-13°F to 158°F) Humidity: 5% < RH < 95%	
Ingress protection	IP65 (by design)	
Mechanical impact protection	IK08	IK07
Dimensions (HxWxD)	~156 x 68 x 62 mm (6.14 x 2.68 x 2.44 inches)	~186 x 68 x 62 mm (6.14 x 2.68 x 2.44 inches)
Weight	~ 300g (not confirmed)	~ 500g (not confirmed)
EMC/Safety standards	- CE, CB, FCC - UL294 (for indoor use only) (List will be updated in Sept 2026)	
Environmental certifications	RoHS, REACh, WEEE, California Proposition 65	
Regulatory number	MPH-AC012B	MPH-AC012A

This is an early datasheet of SigmaTouch devices. This document is valid until July 2026 and shall not be used for tender/bid Official datasheet is planned to be released in July 2026.

Specifications and information subject to change without notice. The products described in this document are subject to continuous development and improvement.