

SigmaTouch Datasheet



SigmaTouch Go



SigmaTouch Pro

SigmaTouch is a secure contact fingerprint terminal for physical access control, combining biometric identification, contactless card authentication and multi-factor modes in a sleek design. Available in Go and Pro versions, it supports scalable deployments with secure boot, signed firmware, AES-256 database encryption and advanced fake finger detection.

Commercial name	SigmaTouch Go	SigmaTouch Pro
Ordering Part Number	293816166	293816153 293818730 (HID licence preloaded)
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 (NFC and BLE)	No	HID Mobile Access by NFC or BLE (under licence) Apple Wallet certified (pending)
Audio	Buzzer	Loudspeaker
Time & Attendance functions	No	Up to 8 programmable function keys Real-time employee notifications Job Code management
PIN control	No	Yes
Access control modes	Identification (search for fingerprint in a local database) Authentication with contactless card, 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. Conditions for secure installations 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	
Memory	16 GBytes Flash 1 GBytes RAM	16 GBytes Flash 2 GBytes RAM
IDs in authorized user list	1 Million Users	
Transaction log capacity	1 Million transactions	



SigmaTouch Go



SigmaTouch Pro

Admin Mode / SDK	MBTA, MorphoManager, Thrid party (Thrift/MACI SDK)	Admin screen menu MBTA, MorphoManager Thrid party (Thrift/MACI SDK)
Ethernet	Ethernet 10/100 Base T 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	
Output relay switch	1 switch NO/NC + 2 GPIO for Single Door Access Control (exit button / door status)	
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 60°C (-4°F to 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% (Pending)	
Ingress protection	IP65 (by design)	
Mechanical impact protection	IK08	IK07
Dimensions (HxWxD)	155 x 68 x 53 mm (6.10 × 2.68 × 2.09 inches)	174 x 68 x 60 mm (6.85 × 2.68 × 2.36 inches)
Weight	Total: 345g (device 230g, cabling 85g, wall mount 30g)	Total: 475g (device 350g, cabling 85g, wall mount 30g)
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
Country of origin	France	France

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