

Fingerprint Technology

S2 Reader with UIM Card

Biometric personal identification verification



Fingerprint - Your Lifetime ID

silex's mission is to make 100% usability a standard

Fingerprint data has been used for quite some time because of its unique ability to identify an individual. However, not everyone has been able to use commercially available fingerprint readers until now.

S2 Technical Specifications

Sensor type	RF-type inner layer / swipe sensor
Sensor area	W: 12mm x L: 18.5mm
Resolution	508dpi
Interface	USB 2.0 Full Speed
Power consumption	150mA or less
Operating condition	Temperature: 5-40°C, humidity: max. 85% RH (non-condensing)
Storage condition	Temperature: -20-50°C, humidity: max. 85% RH (non-condensing)
Dimensions	L: 67mm x W: 40mm x H: 14mm (without cradle)
Cable length	1/5m / 20cm (2 cables included, desorption/A to Mini-B type)
Weight	Body: approx. 25g, cradle: approx. 60g
Regulatory approval	VCCI Class-B, FCC Class-B, CE

Fingerprint authentication logon software: SX-Biometrics Suite for COMBO

Authentication method	Minutiae extraction matching
Authentication accuracy	FRR (False Rejection Rate) = 0.1%, FAR (False Acceptance Rate) = 0.001%
Authentication levels	3 levels: high, medium, low
Max. registerable users	Max. 300 users per PC (1 user per UIM)
Max. registerable fingers	Max. 5 fingers per user
Minutae data storage area	UIM card
Supported OS	Windows 2000, Windows XP

Benefits

High Security

The S2 combines different authentication methodologies, i.e., IC (authentication using a physical item), PIN (knowledge-based authentication), and fingerprint (biometrics authentication), to ensure a high level of security.

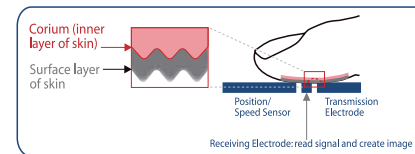
What is the multifactor authentication?

IC (physical item)	An IC card is included with the fingerprint sensor.
PIN (knowledge)	Enter your PIN (password) to access the IC
Fingerprint (biometrics)	An IC card is included with the fingerprint sensor.

- UIM IC is used for the S2.
- PIN (Personal Identification Number) is a password used to identify an individual.

Highly Accurate Images

The silex S2 fingerprint reader uses RF technology that penetrates the surface of the skin to the corium layer. This enables people who have struggled with dry, worn, moist or other finger conditions to reliably use a fingerprint reader for the first time. The sensor also uses a series of rate sensors that allows silex to accurately recreate the fingerprint image without the normal distortion associated with a swipe sensor.



Convenient

The design allows you to use the S2 anywhere you like. Another great benefit is the ability to use the credentials stored on the smart card on any PC. The S2 can quickly be removed from its docking base and easily carried on a key ring or lanyard.



Durable

The S2 is extremely durable as the fingerprint sensor is encoded with Kapton and is not exposed as most fingerprint readers are.

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