

DERMALOG

ECG-1S (Electronic Certificate Gadget)

The all-in-one handheld device for multiple applications.



The ultimate device for:

- > Voting
- > Identification
- > Electronic tickets
- > 2D barcode
- > Membership management
- > Visitor registration

Key Benefits

The ECG-1S is DERMALOG's all-in-one handheld device that can be used for multiple applications where secure mobile authentication is required.

DERMALOG ECG-1S Initiates the Future of Smart Verification.

Multi-biometrics on a portable all-round device – enrol, verify, identify.

DERMALOG delivers product/software combination that is game-changing for the market of biometric solutions. The ECG-1S (Electronic Certificate Gadget) is fast processing, portable and multi-connectable. It combines on-board and server-driven remote identification. A memory extension (micro SD slot) and wireless communication standards (LTE/GPRS/WCDMA/Bluetooth/WIFI/GPS/NFC) open the future of smart verification.



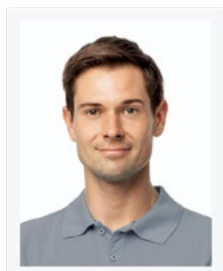
Fingerprints

An optical scanner located on the front provides a 500 dpi fingerprint image (FBI PIV IQS and BSI certified). For fast fingerprint acquisition and verification the ECG-1S includes on-board memory.



Near Field Communication

The ECG-1S uses NFC technology to read cards or devices on a short distance (conforming to ISO1443 Type A/B and Mifare® standards). Membership management in regularly visited places as well as food distribution can be administered by using NFC media including biometric data.



Face Detection

On the rear side of the DERMALOG ECG-1S a camera is integrated. With the help of a specially developed application the device allows a two-way authentication including finger and face.

Outstanding Features

- > 500 dpi FBI certified optical fingerprint scanner
- > Camera for photo acquisition
- > Contactless card reader (NFC)
- > Lightweight all-in-one device
- > LTE/GPRS/WCDAM, WIFI, Bluetooth, GPS
- > On-device or remote authentication
- > Android 5.1
- > 4-inch color LCD touch screen



Barcodes

Reading an optical code is a task often faced on airports or events. A corresponding app enables the integrated camera to fulfill this function.



Signature on Touch Display

By using a touch pen, available as separate accessory, signatures can be captured on the DERMALOG ECG-1S display. A corresponding app is ready to be used with the device.

Specifications ECG-1S

Technical Features

Dimensions (H x W x D)	170 mm x 75 mm x 21 mm
Weight	250 g
Software	Android 5.1
Processor	quad-core, 1.0 GHz
Memory	1 GB RAM, 8 GB Flash, ext. TF (micro SD) card
Screen	4-inch touch screen
Smart card reader	ISO 7816
Contactless card reader	ISO 14443 Type A/B, Mifare®
Camera	5 megapixels
Communications	GSM: Bands 850/900/1800/1900 MHz WCDMA: Bands 900/2100 MHz LTE: Bands 1, 3, 4 2100/1800/2600 MHz Wi-Fi (802.11 b/g/n20) Bluetooth 4.0 GPS
SIM Slot	1 SIM
SAM Slot	1 SAM
Interface	micro USB, 3.5 mm audio jack
Power Supply	input: 100-240 V AC, 50 Hz / 60 Hz. Output: 5 V DC, 2 A
Battery	3.7 V, 3000 mAh, Li-ion

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