



MagIC³ M-trueID is a portable wireless biometric point-of-sale (PoS) system that allows biometric registration and verification for a wide variety of portable biometric applications such as financial inclusion (micro-finance, insurance), law enforcement etc. The wireless capability of the system allows it to be used for online real-time transactions in the field.

The MagIC³ M-trueID system is a wireless biometric enhancement of Gemalto's leading portable platform, the MagIC³ M platform. The system comprises of the terminal and associated software libraries on the platform that allow for a standard ISO-Minutiae (19794-2) fingerprint template stored on a smart card to be matched with a finger being presented on the scanner. Up to 10 fingers can be matched using a custom algorithm providing for increased levels of security and convenience.

This product can also be used for offline biometric authentication by storing fingerprint templates on smart cards. Innoviti's biometric server (trueServer™) can be used for storing fingerprint transactions.

The system has been designed with power save modes to allow for increased transactions and battery life, especially suitable for remote location usages such as for financial inclusion programs in rural areas. The terminal has a graphical display that allows for easy rendering of vernacular fonts again important for financial inclusion programs. A key feature of this platform is the connectivity system, whether it is wireless or wired, thereby allowing for uploads and settlement from remote areas even in the absence of power.

Secure data storage on the platform is enabled and additional online security can be added for online biometric matching if needed. Innoviti provides assistance in development and integration of biometric applications with the system.

MagIC³ M - trueID is the ideal platform for portable biometric applications

PRODUCT SPECIFICATIONS

Parameter	MagIC ³ M-trueID
PoS platform	
Processor	32-bit ARM9
Memory	8MB flash, 16MB SDRAM
Display	128 x 64 pixel graphic display with backlight
Card Readers	EMV 4.1, BI Directional MagStripe reader (ISO 1&2 norm, ISO 2&3, ISO 1&2&3), Internal readers (1 GSM SIM reader, 2 SAM readers SIM format)
Security	PCI PED certified, MCI PTS, APACS CC EAL4, Security algorithms: 3DES and RSA, Key mgt: Master session and DUKPT, SSL v3
Connectivity	GPRS, Modem V32 Bis (optional)
Printer	Integrated thermal with graphics capability, 18 lines per second
Approvals	PCI PED approved for debit and pin-based transactions and EMV 4.1 Approved
Battery	High capacity Li-Ion battery
Voltage	AC input 100-240VAC, 50/60Hz, DC Output: 8.4-9.6V, 4A
Biometric sensor	
Resolution (ppcm)	197
Resolution (ppi)	500
Pixel depth	8 (256 gray levels)
Acquisition time	< 1s
Language support	Optional local language support
Sensor type	Optical
Finger rotation	360 degrees, selectable
Templates	ISO-Minutiae (19794-2)

MagIC³ M-trueID

Portable Wireless Biometric Point-of-Sale

BENEFITS AT A GLANCE

- Portable biometric terminal for registration and verification on-the-move, at customer location and on-the-spot applications.
- ISO 19794-2 standards based template matching allowing multi-vendor enrollment support.
- GPRS and dial-up communication support.
- Low power design for extended battery life
- Support for local languages in applications.
- Single and multiple finger enrollments for higher accuracy.
- Communication module powered from battery allowing for remote uploads and settlement.



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