

Vx510-trueID™ -GPRS

Counter-top Wireless Biometric Point-of-Sale System

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Vx510-trueID™ -GPRS is a counter-top wireless biometric point-of-sale (PoS) system that allows for biometric authentication capability to be added to financial transaction processing and identification systems.

The **Vx510-trueID™ -GPRS** system is a wireless biometric enhancement of VeriFone's leading platform, the Vx510. The system comprises of the Vx510 integrated with Innoviti's leading trueID module and associated software libraries for adding biometric authentication capability to transaction processing systems. In the Vx510-trueID, the complete functionality of the Vx510 is available enhanced with biometric functionality

The product is available in two variants, trueID, which adds only biometric capability to the terminal and trueID-GPRS that adds biometric and GPRS capability to the terminal. The GPRS feature is based on Siemen's GPRS technology, a world leader in GPRS systems. The GPRS and biometric functionalities are integrated within the form factor of Vx510-trueID, thereby providing for an integrated platform. The GPRS features also allows this product to be used for online template storage and authentication using Innoviti's trueServer Biometric Security Module (BSM). Alternatively storage and authentication of templates can also be done through smart cards.

The system has been designed with certain novel features such as no requirement for an external power supply for the trueID module. Further, the



biometric and wireless capability on a single port of the Vx510 thereby releasing other ports of other accessories. The trueID module draws power and data from the pin-pad port of the Vx510.

The biometric functionality is fully compatible with the Vx610-trueID and PC-trueID platforms of Innoviti thereby providing for seamless interoperability between the various biometric devices.

The counter-top Vx510-trueID complements the Vx610-trueID for deployments not needing a portable operation. trueID for Vx510 is designed as a retro-fit product that allows for it to be added in an after-market scenario thereby allowing customers to add biometric functionality to their existing base of Vx510 terminals.

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BENEFITS AT A GLANCE

- Counter-top biometric wireless terminal for adding biometric functionality to financial transaction processing and identification systems.
- ISO 19794-2, ANSI 378 and proprietary templates support.
- GPRS and dial-up communication support.
- Support for local language applications.
- Single and multiple finger enrollments for higher accuracy.
- Compatible with Vx610-trueID and PC-trueID
- Seamless interface to trueServer - Biometric Security Module for secure issuance and authentication of cards.



PRODUCT SPECIFICATIONS

Parameter	Vx610-trueID
PoS platform	
Processor	32-bit ARM9
Memory	4 MB
Display	128 x 64 pixel graphic display, supporting 8 lines x 21 characters
Card Readers	Magnetic triple track, ISO 7816 smart card
SAM Card Reader	1 or 3 SAM slots
Security	3DES encryption
Connectivity	Modem (standard, 14.4kbps), GPRS
Printer	Integrated thermal with graphics capability, 18 lines per second
Keypad	3 x 4 numeric keypad, 8 soft function keys, 4 screen-addressable keys
Approvals	VISA PED approved for debit and pin-based transactions and EMV Level 1 and 2 Type Approval
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
Communications	GPRS
Finger rotation	360 degrees, selectable
Templates	ISO-Minutiae (19794-2), ANSI 378.
GPRS	
Frequency	Quad-Band GSM 800/900/1800/1900 MHz band
Technology	GSM/GPRS multi-slot Class 10
Operating Bands	Class 4 (2 W) for EGSM900; Class 1 (1 W) GSM1800
Security	A5/1 encryption; GEA1 & GEA2 ciphering
RoHS	Compliant
Approvals	R&TTE, FCC, UL, IC, GCF, PTCRB, CE

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