

way4™ certificate

This is to certify that:

#20140109-027

The CISBase Kernel POS software version 1.0 for VeriFone Optimum T42xx, M42xx, M41xx terminals equipped with Hypercom S9 PCI, VeriFone 1000SE CTLS connected to WAY4 according to the following connection scheme (see on the back) supplied by Transaction Systems has fulfilled the OpenWay EMV Validation Requirements and demonstrated compatibility with WAY4 Cards Management System in the following conditions (POS software is not certified for ATM, banking Self-Service terminals and PC-POS based platforms):

Operations:

	PBT	SBT	Manual
Basic Set	Authorization	passed	passed
	Purchase/Cash	passed	passed
	Auth Confirmation	n/a	passed
	Universal Reversal (Cancel Auth, Purchase/Cash, Credit; Partial Cancel)	n/a	passed
	Universal Reversal Advice (Cancel Advice Purchase; Partial Cancel; AutoReversal)	n/a	passed
	Refund	n/a	passed
	Balance Inquiry	passed	n/a
	EMV Info Advice		passed
	EMV Final Advice		passed
	POS Initialization		passed
	Reconciliation		passed
	Extended	Credit	passed
Credit Voucher		n/a	passed
Card Control Request		passed	passed
Mini Statement		passed	n/a
Utility Payment		passed	passed
Universal Bill Payment Authorization via WAY4 Billing Gateway		passed	passed
Universal Bill Payment Advice via WAY4 Billing Gateway		passed	passed
OpenWay Loyalty Program		passed	passed
PIN Change		passed	n/a
PIN Enrolment			passed
Keys Change (DEFAULT2 keys hierarchy)		passed	

Options:

Batch Upload	NetServer with PMS	Quasi-Cash support	Yes	EMV Off-line PIN verification	Plaintext, Enciphered
PIN/MAC crypto algorithm	3DES	Acquirer Fee support	Yes	EMV CVM support	Off-line PIN/On-line PIN/Signature
MAC Type	BIN	Pre-Paid support	Yes	EMV CAM support	SDA/DDA
Transport Protocol	TCP/IP	Stop List Loading support	Yes	EMV Message Scheme	Single Message with TC Upload
PMS Transport Protocol	Binlen	Multi Currency support	Yes	M/Chip DAC support	Yes
ISO8583 Protocol	OpenWay SecureISO	MOTO support	Yes	M/Chip DN support	Yes
Secure ISO support (algorithm)	3DES	EMV support	VSDC,M/Chip	EMV PAD Support	MCHIP4 MPAD
PMS Adv. Security Features	Encryption	EMV Off-line support	Yes	Contactless support	Paypass(Mag Stripe,MCHIP mode)

This certificate is issued to replace certificate #20110616-027 and shall expire after 1 year following the date of issuance, if no prolongation is applied for before that date.

Detailed certification program available upon request.

For and on behalf of OpenWay Service Ltd.

09 January 2014

Sergey Tartyzhev
Director, Implementation&Support