

Saudi Arabian Monetary Agency

HEAD OFFICE

General Department of Payment Systems



POS Terminal

Approval Certificate No. #TV062

مركز التصاريح

Certification Center

Ge-idea Solutions

P. O. Box 246868
Riyadh 11312
Kingdom of Saudi Arabia

14 June, 2017

Equipment Details

Type: POS

Model: Spectra SP530

This letter is to confirm that the POS terminal specified above has successfully passed the testing required to approve its usage within mada, details of the approved configuration are mentioned in the sections below.

SAMA reserves the right to modify the certification procedures from time to time and Vendors may be required to repeat some or all testing already undertaken and in addition any new tests deemed necessary by SAMA.

SAMA as scheme regulator reserves the right to withdraw approval for a POS device should it be unable to demonstrate the ability to pass the tests specified in the current release of the certification procedures.

SAMA maintains a list of approved device on its website, potential customers for the POS terminal referred to in this letter should ensure that the device is on this list.

SAMA accepts no responsibility for any operational or interoperability problem not highlighted by the testing performed to gain this certificate and reserves the right to update the procedures and testing regime at any time in the future at its sole discretion. No Member of the mada scheme or Vendor supplying equipment for use by the scheme or its members should refer to their product, service or facility as either mada "approved" or imply that the mada scheme or SAMA endorses their products.

Signed on behalf of SAMA:



Abdullah Al-Rasheed
Head of Quality Assurance

Saudi Arabian Monetary Agency

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Equipment Appearance



External reader(s)

N/A

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Pre-Requisites

EMV L1/L2 Registration Number	13210 0215 400 21 BCS
IFM (Level 1) Approval Reference	10473 0915 231 231b 231a BCT
EMV Kernel (Level 2) Approval Reference	2-03140-1-2C-BCS-0515-4.3.d
EMV Specification Date and Version	Version 4.3 of November 2011
MasterCard Terminal Quality Management (TQM) Label	TQM0734/03
PCI PED Approval Number	4-40166
Pay Pass Kernel Approval Number	TLOA-SPEC150601-160428(a)
Pay Wave Kernel Approval Number	CDSPEC0854

Testing baseline

Version of this document used	mada EFTPOS v6.0.2
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Functionality approved for use with mada Switch

Integrated Chip Card (ICC)	mada, MasterCard, Visa, AMEX and China Union Pay
Magnetic Stripe	MasterCard, Visa, AMEX and China Union Pay
Contactless	mada, MasterCard, Visa

Equipment Details (Hardware)

Manufacturer	SPECTRA TECHNOLOGIES
Model Designation	SP530
If the Manufacturer is different from the Vendor, please describe the commercial arrangement between Manufacturer and Vendor and give detail of how the equipment will be supported	Saudi Arabia –Exclusive Distributor
Input Devices Supported	USB 2.0 Device Port Full Speed (Micro-USB) Bluetooth Module Class 2 Model BLE V4.0 and EDR V3.0 (Optional)
Display Devices supported	128 x 64 dots FSTN LCD with LED Backlight Buzzer tone
Printing Devices	E-receipt Only

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Communication method used by device

Bluetooth Only

PIN Pad

Integrated PINPAD

Contactless Reader

Internal Reader

Languages supported

Arabic, English

Is there a language switch key?

Yes

Equipment Details (Software)

Kernel Software Version

EMVDLL Version V5.1

Visa Pay Wave Kernel Version

PWAVEDLL 2.0

MasterCard Pay Pass Kernel Version

SP530 PPASSDLL 3.0

Operating system

IOS = SPECTRA SP530 Version V0.9

Payment Applications supported

mada Visa MasterCard Maestro American Express China Union Pay

Other (when applicable)

Non-Payment Applications supported

Application Type

N/A

Application Name

N/A

Application Version

N/A

Development Details

Version Control software used

STRD2.0

How is version control managed for the components of your product?
Supporting documents may be required

Terminal Remote System Engine.

Is QA system used ISO 9000 accredited?

Yes

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EMV Level 2 Kernel Configuration Details

EMV Level 2 Kernel Configuration Number Used for mada Certification **C1**

EMV Terminal Type **22**

POS Entry Mode **92**

Card Data Input Capabilities

Manual Key Entry Magnetic Stripe ICC Contactless

Cardholder Validation Method Capability

Plaintext PIN for ICC Verification Enciphered PIN for online Verification
Signature(Paper) Enciphered PIN for offline Verification
No CVM

Security Capabilities

Static Data Authentication (SDA) Dynamic Data Authentication (DDA)
Combined Data Authentication (CDA) Fast Data Authentication(FDDA)
Card Capture

Transaction Type Capability

Cash Goods Services naqd(Cash Back) Inquiry Transfer
Payment Administrative Cash Deposit

Terminal Data Input Capability

Keypad Numeric Keys Alphabetic and Special Character Keys Command Keys
Function Keys

Terminal Data Output Capability

Print, Attendant Print, Cardholder Name Display Attendant Display Cardholder
Code Table 10 Code Table 9 Code Table 8 Code Table 7 Code Table 6
Code Table 5 Code Table 4 Code Table 3 Code Table 2 Code Table 1

Application Selection

Supporting PSE selection Method Supporting Cardholder Confirmation
Having a preferred order of displaying applications Performing partial AID
Having multi language support Having Common Character Set

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Data Authentication

What is the maximum supported Certificate Authority Public Key Size?	248
What exponents does the terminal support?	3 and $2^{16}+1$
Certificate Revocation List Format	RID,CA Index and Serial No
Checking the validity of revocation of Issuer Public Key Certificate	<input checked="" type="checkbox"/> Terminal contains DDOL <input checked="" type="checkbox"/>
Manual Key Load When CA Public Key Load Fails	<input checked="" type="checkbox"/> CA Public Key Verified With Checksum <input type="checkbox"/>

Cardholder Verification Method

Supporting bypass PIN Entry	<input checked="" type="checkbox"/> Supporting Get Data for PIN Try Counter <input checked="" type="checkbox"/>
Supporting Fail CVM	<input checked="" type="checkbox"/> Supporting Amount Unknown before CVM <input checked="" type="checkbox"/>
Supporting No CVM for Contactless	<input checked="" type="checkbox"/>

Terminal Risk Management

Floor Limit Checking	<input checked="" type="checkbox"/> Random Transaction Selection <input checked="" type="checkbox"/> Velocity Checking <input checked="" type="checkbox"/>
Transaction Log	<input checked="" type="checkbox"/> Exception File <input type="checkbox"/>
Terminal Risk Management Based on AIP	<input checked="" type="checkbox"/> Contactless Limits Checking <input checked="" type="checkbox"/>

Terminal Action Analysis

Terminal Action Codes	<input checked="" type="checkbox"/> Default process prior to AC <input type="checkbox"/> Default process after AC <input type="checkbox"/>
Skip processing TAC/IAC	<input type="checkbox"/> Default as normal <input checked="" type="checkbox"/> CDA fail detected prior TAA <input checked="" type="checkbox"/>
CDA always requested at GENAC1	<input checked="" type="checkbox"/> CDA never requested at GENAC1 <input type="checkbox"/>
CDA always requested at GENAC2	<input checked="" type="checkbox"/> CDA never requested at GENAC2 <input type="checkbox"/>

Completion Processing

Terminal Forced Online Capability	<input checked="" type="checkbox"/> Transaction Forced Acceptance Capability <input type="checkbox"/>
Supporting Advices	<input checked="" type="checkbox"/> Supporting Batch Data Capture <input checked="" type="checkbox"/>
Supporting Online Data Capture	<input checked="" type="checkbox"/> Supporting Issuer Referrals <input checked="" type="checkbox"/>
Supporting Default TDOL	<input checked="" type="checkbox"/>

Miscellaneous

Pin Pad	<input checked="" type="checkbox"/> Amount and PIN same keypad <input checked="" type="checkbox"/> ICC / Mag Stripe Combined <input type="checkbox"/>
Mag Stripe read first	<input type="checkbox"/> Supports Account Type Selection <input type="checkbox"/> Issuer script device limit > 128 <input checked="" type="checkbox"/>
Physical LED Light Indicators for contactless	<input checked="" type="checkbox"/> Software Light Indicators for contactless <input type="checkbox"/>
Sound indicators	<input checked="" type="checkbox"/> ATEX Compliance Terminal and can be used in explosive environments <input type="checkbox"/>

External Reader

External Reader Model	N/A
External Reader Input Capability	N/A