Geidea Solutions
P.O.BOX :246868
Riyadh 11312
Kingdom of Saudi Arabia.

13 May, 2020

Equipment Details

Type: **POS**
Model: **PAX A920**

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 A. AlKhrashi

Abdullah Al-Kharashi   17.05.2020
Saudi Payments
Service Enablement Director

13-May-2020
Maan Al-Qurashi
Saudi Payments
Certification Center Senior Manager

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مدى mada   إيصال Esal   نقدي Naqdi   سداد

المدفوعات السعودية
SAUDI PAYMENTS

Equipment Appearance

External reader(s)

N/A

الكيــرام

Pre-Requisites

EMV L1/L2 Registration Number	TEMV1976H2T Version V1.0 - Beijing Unionpay Card Technology Co., Ltd. Shenzhen Branch
IFM (Level 1) Approval Reference	15562 0317 430 43a 43a BCTS
EMV Kernel (Level 2) Approval Reference	2-04639-1-1C-BCTS-0320-4.3h
EMV Specification Date and Version	F EMV LIB Version 653
MasterCard Terminal Quality Management (TQM) Label	TQM0862/01
PCI PED Approval Number	4-40215
Pay Pass Kernel Approval Number	TLOA-PAXT200201-200205(a)
Pay Wave Kernel Approval Number	CDPAXX1107

Testing baseline

Version of this document used	mada EFTPOS v6.0.5

Functionality approved for use with mada Switch

Integrated Chip Card (ICC)	mada, MasterCard and Visa
Magnetic Stripe	MasterCard and Visa
Contactless	mada, MasterCard and Visa

Equipment Details (Hardware)

Manufacturer	PAX Computer Technology (Shenzhen) Co.,Ltd.
Model Designation	A920
If the Manufacturer is different from the Vendor, please describe the commercial arrangement	Distributor
Input Devices Supported	Magnetic Card Reader / Smart Card Reader / Contactless Card Reader: I I Type 1 Tag / Type 2 Tag / Type 3 Tag / Type 4 Tag
Display Devices supported	5-inch 720 x 1280 Pixel Capacitive Touch Screen
Printing Devices	Yes
Communication method used by device	4G
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	EMV 653
Visa Pay Wave Kernel Version	F WAVE LIB v550_351
MasterCard Pay Pass Kernel Verpsion	F MC LIB Version 553
Operating system	1OS = PayDroid Version II

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:	PAX STORE
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?	No

EMV Level 2 Kernel Configuration Details

EMV Level 2 Kernel Configuration Number Used for mada Certification	2-04639-1-1C-BCTS-0320-4.3h
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 ☐	

POS Terminal
Approval Certificate No. #TV090

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 ☒

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, CAPK index and Certificate Serial Number

Checking the validity of revocation of Issuer Public Key Certificate ☒   Terminal contains DDOL ☒

Manual Key Load When CA Public Key Load Fails ☒   CA Public Key Verified With Checksum ☒

Cardholder Verification Method

Supporting bypass PIN Entry ☐

Supporting Get Data for PIN Try Counter ☒

Supporting Fail CVM ☒

Supporting Amount Unknown before CVM ☒

Supporting No CVM for Contactless ☒

Terminal Risk Management

Floor Limit Checking ☒   Random Transaction Selection ☒   Velocity Checking ☒

Transaction Log ☒   Exception File ☒

Terminal Risk Management Based on AIP ☒   Contactless Limits Checking ☒

Terminal Action Analysis

Terminal Action Codes ☒   Default process prior to AC ☐   Default process after AC ☐

Skip processing TAC/IAC ☐   Default as normal ☒   CDA fail detected prior TAA ☒

CDA always requested at GENAC1 ☒   CDA never requested at GENAC1 ☐

CDA always requested at GENAC2 ☒   CDA never requested at GENAC2 ☐

Completion Processing

Terminal Forced Online Capability ☒   Transaction Forced Acceptance Capability ☐

Supporting Advices ☒   Supporting Batch Data Capture ☒

Supporting Online Data Capture ☒   Supporting Issuer Referrals ☒

Supporting Default TDOL ☒

Miscellaneous

Pin Pad ☒   Amount and PIN same keypad ☒   ICC / Mag Stripe Combined ☐

Mag Stripe read first ☐   Supports Account Type Selection ☐   Issuer script device limit > 128 ☒

Physical LED Light Indicators for contactless ☐   Software Light Indicators for contactless ☒

Sound indicators ☒   ATEX Compliance Terminal and can be used in explosive environments ☐

External Reader

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

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