

Pax A920 Integration Guide with Cloud9

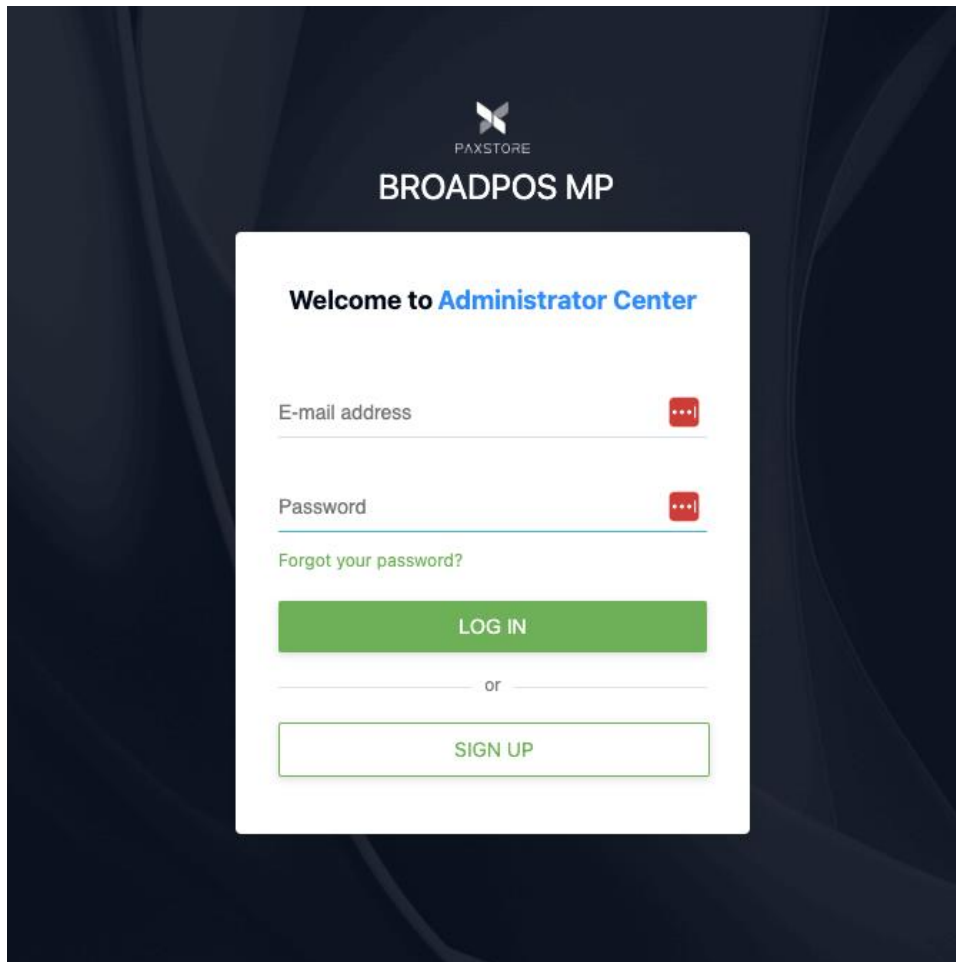
The following steps will demonstrate how to use the Pax A920 device to communicate with the Cloud9 gateway.

1. Register the A920 device in the Pax store and install the necessary apps.

Follow these steps.

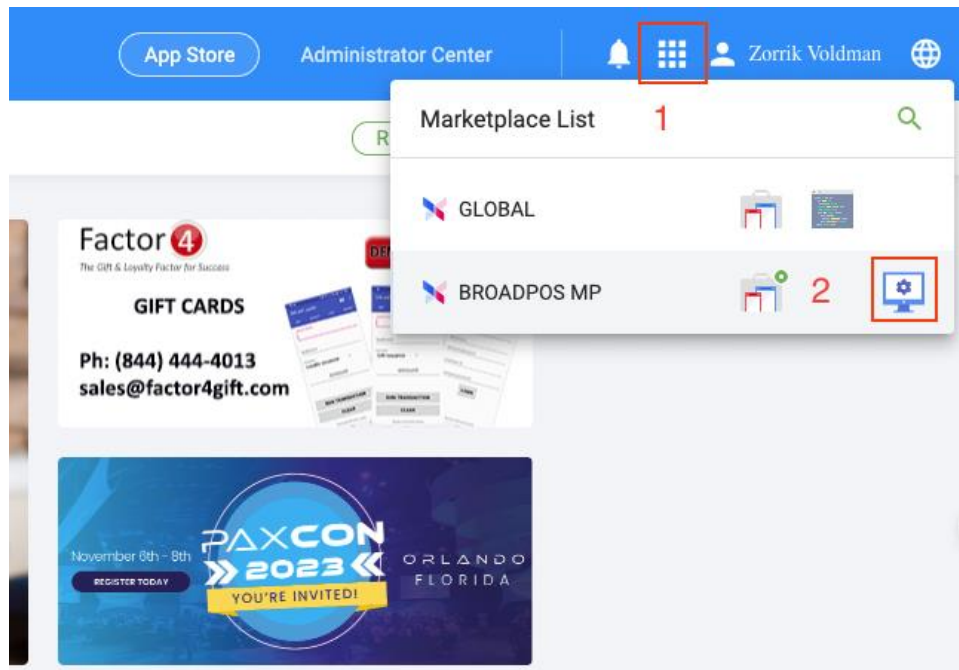
- a. Login to the pax store us marketplace. (URL: <https://paxus.paxstore.us/>)

If you do not have login credentials, you can contact Pax support to obtain them.

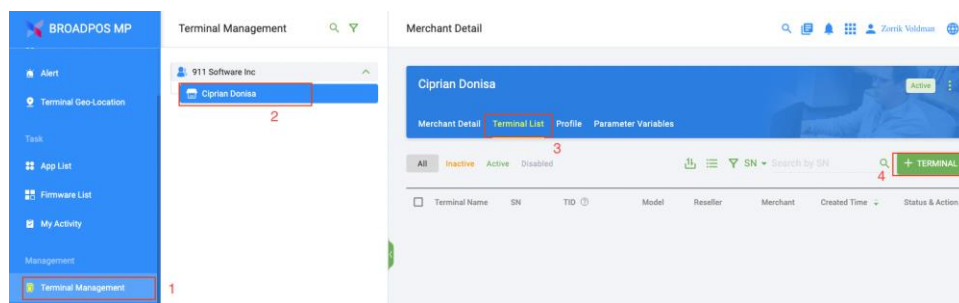


- b. Navigate to the Terminal Manager page

First, go to Administrator Center



Second, go to Terminal Manager page and finally click the +Terminal button.



c. Register the A920 device.

First, power on the A920 device and get the serial number on the label at the back of the device.



Second, fill in your real device and merchant info to complete registration.

Create Terminal

Terminal Name: 1 * 1

Activate Terminal: 2

Manufacturer: 3 Model: 4

Reseller: Merchant: 5

SN: 6

TID:

Terminal Group:

Location:

Remark:

After registration, you can see your device in the terminal list. Click the device item finally.

BROADPOS MP

Terminal Management

911 Software Inc
Ciprian Donisa

Reseller Detail

911 Software Inc

Reseller Detail Terminal List Profile Organization

All Inactive Active Disabled

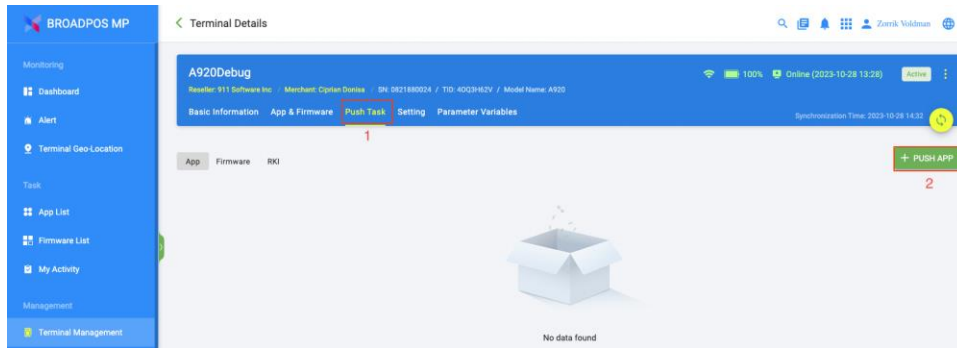
Search by SN

Terminal Name	SN	TID	Model	Reseller	Merchant	Created Time	Status & Action
A920Debug	0821880024	4002H42V	PAX-A920	911 Software Inc	Ciprian Donisa	2023-10-17 09:19	Online(30mins)

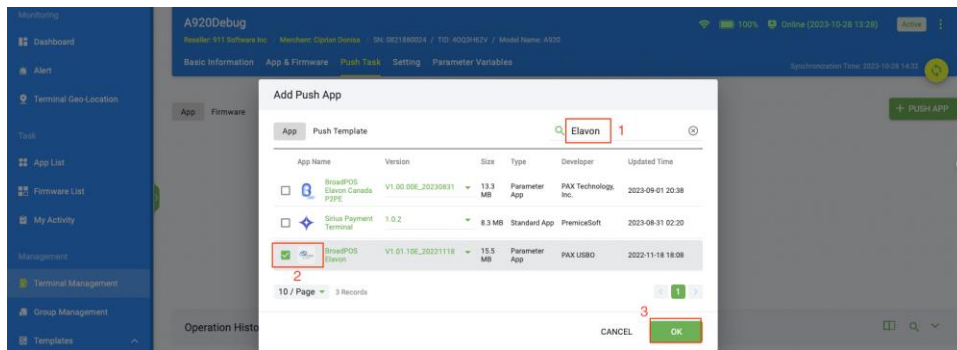
d. Push the required Pax's BroadPos payment app to the device

First, select an appropriate payment processor as needed, such as Portico, TSYS, Elavon, etc. Take Elavon for example, follow the steps below.

Go to Push Task page, click PUSH APP button

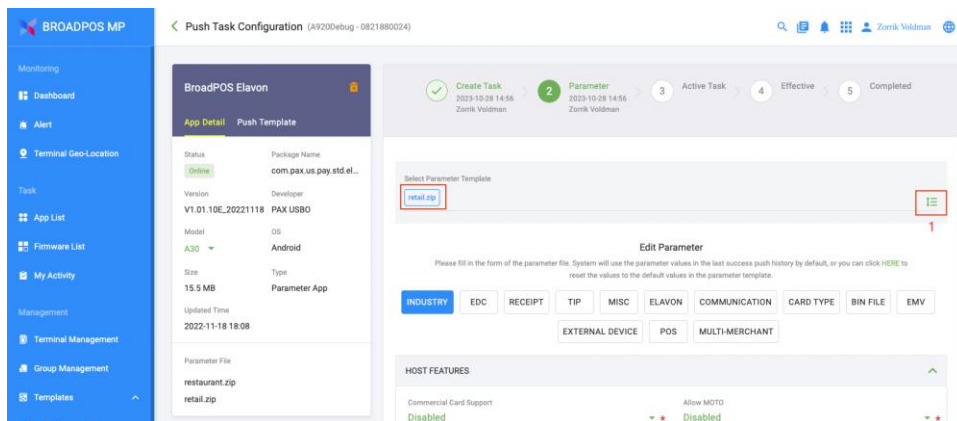


Enter the APP name “Elavon” in the search box to locate the Elavon App and select BroadPOS Elavon APP to push.



Second, fill in the payment params on the push task configuration page.

Confirm the industry type is correct. You can click on the area marked as '1' to switch to the industry type you need.



Set ECR-Terminal integration mod to External POS in MISC tab.

BROADPOS MP Push Task Configuration (A9200debug - 0821880024)

Model: V1.01.10E_20221118 PAX USB0
OS: Android
Size: 15.5 MB
Type: Parameter App
Updated Time: 2022-11-18 18:08
Parameter File: restaurant.zip, retail.zip

Edit Parameter
Please fill in the form of the parameter file. System will use the parameter values in the last success push history by default, or you can click [HERE](#) to reset the values to the default values in the parameter template.

INDUSTRY EDC RECEIPT TIP **MISC** ELAVON COMMUNICATION CARD TYPE BIN FILE EMV
EXTERNAL DEVICE POS MULTI-MERCHANT

GENERAL SETTINGS

ICR Terminal Integration Mode	Menu Timeout(100ms)
External POS	300
Dedicated Device (Full Screen) Mode	Password on Exit
Disabled	Disabled
Manager Password	Operator Password
No Paper Mode	Demo Mode
Auto Check	Disabled
Enter Account Menu Timeout(100ms)	Host Response Timeout(100ms)

Set Elavon params in the Elavon tab. These params are provided by Elavon payment.

INDUSTRY EDC RECEIPT TIP MISC **ELAVON** COMMUNICATION CARD TYPE BIN FILE EMV
EXTERNAL DEVICE POS MULTI-MERCHANT

HOST FEATURES

Capture Type	Auto Batch Mode
Host Based	Auto Batch Close
Auto Clear Database Time(hh:mm)	Start Auto Batch Time(hh:mm)
2330	2300
End Auto Batch Time(hh:mm)	Auto Batch Interval Time(1min)
2330	

MERCHANT PARAMETERS

Terminal ID

Merchant ID

Support Partial Approval

Enabled

P2PE Mode

Disabled

HOST ROOT CA File

ELAVONCA.PEM

HOST URLS

Primary Auth URL

prodgate02.viaconex.com

Primary Auth Page

/cgi-bin/encompass.cgi

Primary Auth Port

443

Backup Auth URL

Backup Auth Page

/cgi-bin/encompass.cgi

Backup Auth Port

Primary Batch URL

prodgate02.viaconex.com

Primary Batch Page

/cgi-bin/encompass.cgi

Primary Batch Port

443

Backup Batch URL

Backup Batch Page

/cgi-bin/encompass.cgi

Backup Batch Port

Third, activate the push task.

BROADPOS MP

Monitoring

Dashboard

Alert

Terminal Geo-Location

Task

App List

Firmware List

My Activity

Management

Terminal Management

Group Management

Templates

System

General Setting

User Management

Push Task Configuration (A920debug - 0821880024)

Create Task

Parameter

Active Task

Effective

Completed

BroadPOS Elavon

App Detail

Status

Online

Package Name

com.pax.us.pay.std.el...

Version

V1.01.10E_20221118

Developer

PAX USB0

Model

A30

OS

Android

Size

15.5 MB

Type

Parameter App

Updated Time

2022-11-18 18:08

Parameter File

restaurant.zip

retail.zip

Push Content

BroadPOS Elavon

Updated Time: 2022-11-18 18:08

VIEW TEMPLATE DETAIL

Push Configuration

Wi-Fi Only

Download over Wi-Fi or Cable network only, don't allow to download over the cellular network.

Force Update

Whether to force the app to update.

Push Immediately

Do you need to push right away?

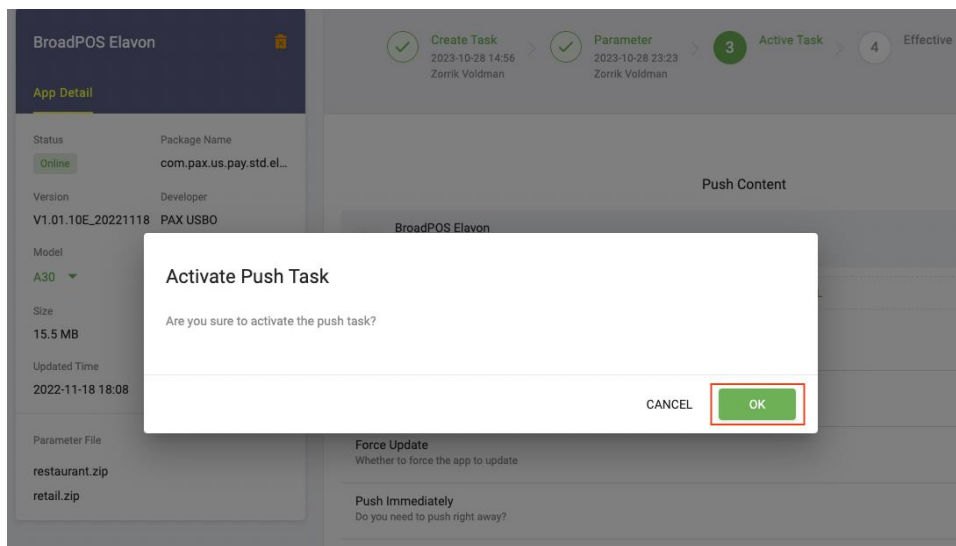
TIME ZONE:

(GMT+08:00) China Standard Time - Shanghai

EXPIRED DATE:

PREVIOUS

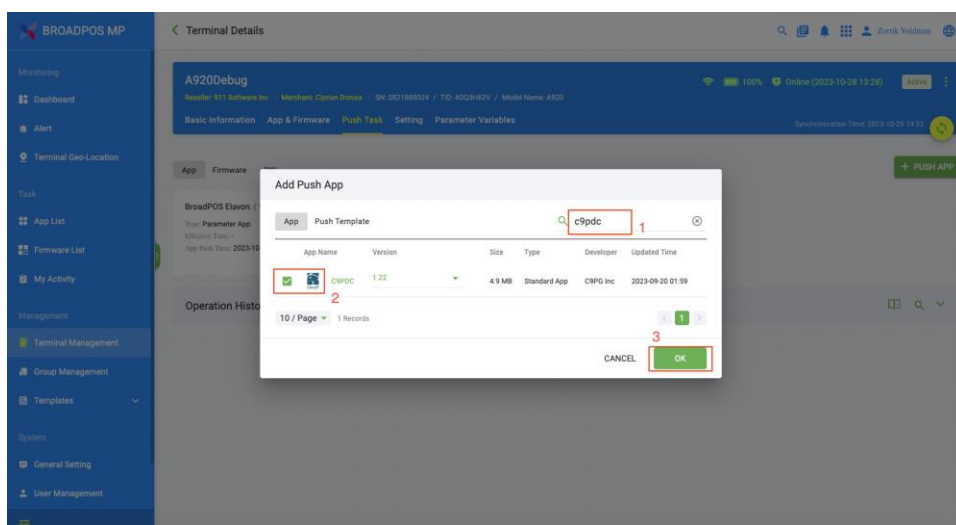
ACTIVATE



e. Push the required Cloud9's C9PDC app to the device

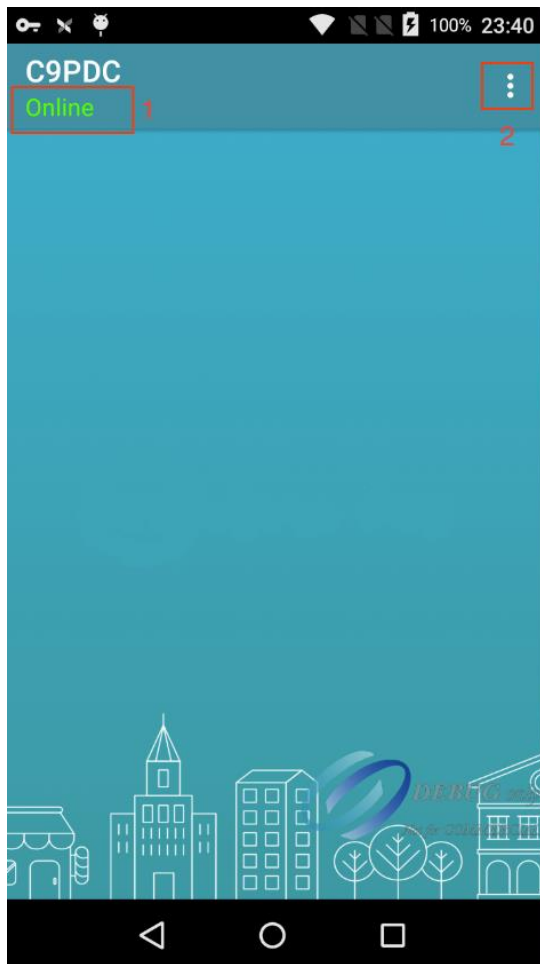
After pushing the BroadPos app, proceed to push the C9PDC app.

Note that you don't need to config C9PDC's params in the push task configuration for now.

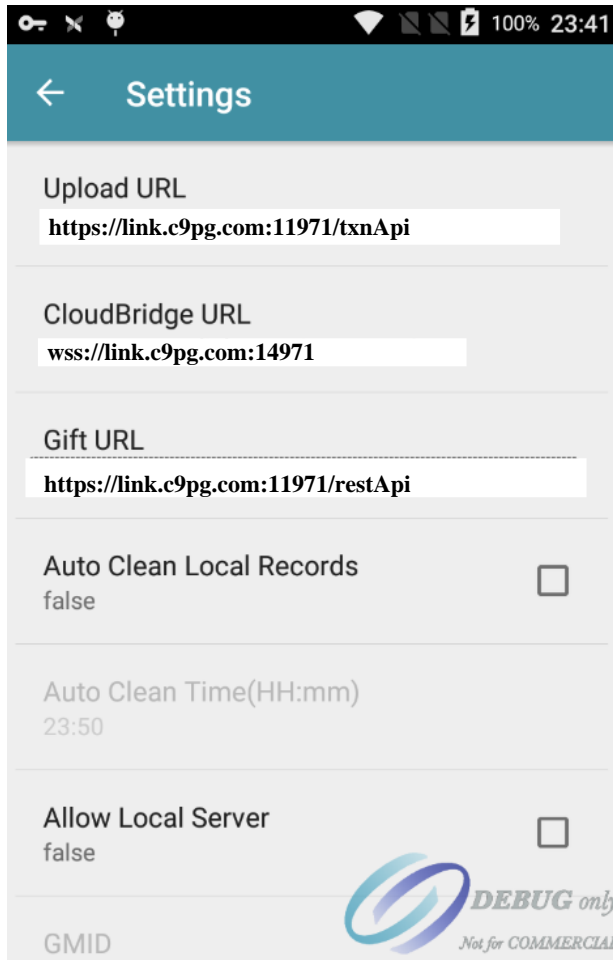


f. Run C9PDC app

The C9PDC app serves as a bridge to Cloud9 gateway and please keep it running all the time when working with Cloud9 gateway. The main screen of the app is as shown below. The area marked '1' indicates the device's connection status, while '2' marks the entry to the menu.



Click the Settings menu item when you want to config the params.



Generally, there is no need to alter the default settings. If changes are necessary, please contact Cloud9 support for assistance.

2. Create a Cloud9 account and bind it to the A920 device.

- a. Login to Cloud9's web portal. (URL: <https://portal.c9pg.com/>)

If you do not have login credentials, you can contact Cloud9 support to obtain them.

- b. Add a new merchant account

→ Set the Processor to PaxSemi. Only the Auto Batch Time param takes effect. We recommend that you use the same value as the end auto batch time in the payment app.

Setup > Business > Structure > Merchant-Account-Setup

Filter Nodes: Aaron Golden (Business), PaxTest (Store), Main (Profit Center), PaxSemi (Merchant Account), 0621880024 (Terminal)

Parent: Business - Aaron Golden, Region: (None), Property: (None), Store: PaxTest, Profit Center: Main, Merchant Account: PaxSemi

Basic Information

Name: PaxSemi
 Tag:
 Ref Number: 782158,782160,782161,782162,782163,782164,78
 Merchant Account Number: 1500270820

Processing

Processor: PaxSemi
 Capture Mode: Host Capture

Parameter	Value
Category Code	
Terminal Number	
Agent Bank Number	
Agent Chain Number	
Terminal ID	
Auto Batch Time	2300EST

Brand Acceptance

Transaction Acceptance

Brand	Acceptance
All	Accepted
MasterCard	Debit Card
CUP	Loyalty
AMEX	Discover
Gift	Prepaid
DinersClub	VISA
JCB	EBT CashBenefit
EBT FoodStamp	Maestro
JAL	E-Check

Mapping

Card Brands

Card Brand	Mapping
MasterCard	Debit Card
CUP	Loyalty
AMEX	Discover
Gift	Prepaid
DinersClub	VISA
JCB	EBT CashBenefit
EBT FoodStamp	Maestro
JAL	E-Check

Notes

Cancel Save

c. Register device in Cloud9

First, add a new Terminal and then click the Register Terminal button.

Setup > Business > Structure > Terminal-setup

Filter Nodes: Aaron Golden (Business), PaxTest (Store), Main (Profit Center), PaxSemi (Merchant Account), 0621880024 (Terminal)

Parent: Business - Aaron Golden, Region: (None), Property: (None), Store: PaxTest, Profit Center: Main, Merchant Account: PaxSemi

Status: Active Type: Terminal Store: PaxTest Merchant Account: PaxSemi

Basic Information

Name: 0621880024
 Tag: dev
 Ref Number: 1520059013
 Terminal Number: 1500270838
 Short Code: 2323
 Serial Number:
 Register Terminal

Gateway

Username: user Password:
 GTID: QT1520059013 Main Lane Number: 1
 Token:
 Token

Entry Capabilities

Manual Entry: Select Manual Entry
 MSR Entry: Select MSR Entry
 ICC Entry: Select ICC Entry
 Contactless Entry: Select Contactless Entry
 MICR Entry: Select MICR Entry
 PIN Entry: Select PIN Entry
 Signature Entry: Select Signature Entry

Security Capabilities

Certificate Cap: Select certificate type
 Encryption Cap: Select Encryption type
 Certificate Number:
 HW System Info SW System Info Controller System Info
 Make: Model Number:

Second, choose Pax as terminal type and fill in your real device serial number.

Register Terminal

GMID:
1511105982

GTID:
GT1520059013

Name:
0821880024

Terminal Type:
Pax 1

Serial Number
0821880024 2

»Proceed 3

Main Lane Number: 1
Certificate Number:

Click the Proceed button finally to complete the registration.

At this point, all configuration tasks have been completed.

3. Construct transactions using the Cloud9 account.

For how to construct a transaction, refer to the Api document. (URL: <https://testlink.c9pg.com/apidocs/>).