## 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.

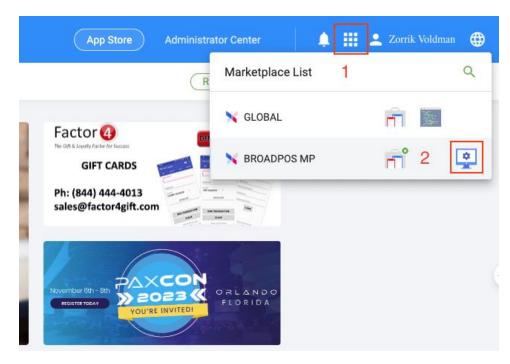
a. Login to the pax store us marketplace. (URL: <u>https://paxus.paxstore.us/</u>)

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

BRC	DADPOS MP	
Welcome to	Administrator Cent	ter
E-mail address		
Password		•
Forgot your passwo	rd? LOG IN	
	or	2.1
	SIGN UP	

b. Navigate to the Terminal Manager page

First, go to Administrator Center



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

BROADPOS MP	Terminal Management Q		🔍 🗐 🌲 🏭 🚨 Zorrik Voldman 🌐
<ul> <li>Alert</li> <li>Terminal Geo-Location</li> </ul>	911 Software Inc     Ciprian Donisa 2	Ciprian Donisa	Active 1
	2	Merchant Detail Terminal List Profile Parameter Variables	Appril 2 Contraction of the second se
# App List		All Inactive Active Disabled	B      SN      Sourch by SN     A     A     A     A     A     A     A
My Activity			
Management	-		

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.

Ferminal Managem	Create Terminal	
911 Software Inc	Terminal Name     Quantity       A920 Debug     1 * 1       Activate Terminal     1       Later     Immediately       2	×
	Manufacturer PAX 3 - * A920 4	* *
	Reseller Merchant 911 Software Inc IE * Ciprian Donisa 5	1≡*
	0821880024 6	*
	TID	
	Terminal Group Search the Terminal Group here	IΞ
	Location	
	Remark	
		CANCEL

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

K BROADPOS MP	Terminal Management	94+	Reseller Detail	🔍 📴 🌲 🏭 🚨 Zorrik Voldman 🌐
Monitoring	2. 911 Software Inc	^	911 Software Inc	Active :
m Alert			Reseller Detail Terminal List Profile Organization	
Terminal Geo-Location			All Inactive Active Disabled	E Y SN - Search by SN Q + TERMINAL
			Terminal Name SN TID      Model Resell	ler Merchant Created Time 📮 Status & Action
SS App List			A920Debug 0821880024 40Q3H62V PAX - A920 911 So	oftware Inc Ciprian Donisa 2023-10-17 09:19 Online(59min) 😨
Firmware List				
My Activity				

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

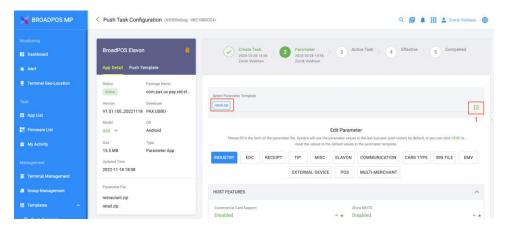


Enter the APP name "Elavon" in the search box to locate the Elavon App and select BroadPOS Elavon APP to push.

Monitoring		ns - Merchant: Option Donina				29		🗢 🔳 1001.	🛛 🖪 Online (2023-10-28 13-28	
di Aleri	Basic Information	App & Firmware Push Tar	k Setting Parami	eter Variabi	65.			_	Synchronization Time: 202	5-1028 1432
<b>Q</b> Terminal Geo Location	App Firmware	Add Push App								+ PUSH APP
Taoli	App Tanware	App Push Template				Q Elavon	1 ©			_
# App List		App Name	Version	Size	Туре	Developer	Updated Time			
11 Firmware List	8	BroadPOS Elavon Canada P2PE	V1.00.00E_20230831		Parameter App	PAX Technology, Inc.	2023-09-01 20:38			
My Activity		Sitius Payment Terminal	1.0.2	₹ 8.3 M8	Standerd App	PremiceSoft	2023-08-31 02:20			
Management		BroadPOS Elavon	V1.01.10E_20221118	- 15.5 MB	Parameter App	PAX USBO	2022-11-18 18:08			
B Terminal Management		2 10 / Page = 3 Records					<ul> <li>1</li> </ul>			
Group Management	_						3			
😸 Templates 🔷 🔿	Operation Histo					CAN	CEL OK	J		

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.

	V1.01.10E_20221118 PAX USB0			
	Model OS			
B Dashboard	A30 👻 Android	Edit Parameter		
Alert	Size Type 15.5 MB Parameter App		ystem will use the parameter values in the last success push history by default, or you can click HERE to set the values to the default values in the parameter template.	
Terminal Geo-Location	Updated Time	INDUSTRY EDC RECEIPT TIP	P MISC ELAVON COMMUNICATION CARD TYPE BIN FILE E	
	2022-11-18 18:08	EXTE	TERNAL DEVICE POS MULTI-MERCHANT	
	-			
App List	Parameter File	GENERAL SETTINGS		
	restaurant.zip retail.zip			
Firmware List	retail.zip	ECR-Terminal Integration Mode External POS	Menu Timeout(100ms)	
My Activity		External Pod	300	
		Dedicated Device (Full Screen) Mode	Password on Exit	
		Disabled	👻 🔹 Disabled	
Terminal Management		Manager Password	Operator Password	
Group Management				
		No Paper Mode	Demo Mode	

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

EDC	RECEIPT	TIP	MISC	ELAVON	COMMUNICATION	CARD TYPE	BIN FILE	EMV
		EXTERN	AL DEVICE	POS	MULTI-MERCHANT			
5								
				4	uto Batch Mode			
				* * /	Auto Batch Close			
ise Time(h	ıh:mm)					n)		
				Ľ	.300			
me(hh:mn	n)				Auto Batch Interval Ti	mo(1min)		
	S ise Time(h		EXTERN S	EXTERNAL DEVICE	EXTERNAL DEVICE POS	EXTERNAL DEVICE POS MULTI-MERCHANT  Auto Batch Mode Auto Batch Close  see Time(th:mm)  Start Auto Batch Time(th:mm 2300	EXTERNAL DEVICE POS MULTI-MERCHANT  Auto Batch Mode Auto Batch Close  see Time(th:mm) 2300  me(th:mm)	EXTERNAL DEVICE POS MULTI-MERCHANT  Auto Batch Mode Auto Batch Close Start Auto Batch Time(hh:mm) 2300 me(hh:mm)

Terminal ID	*	Merchant ID	
Support Partial Approval		P2PE Mode	
Enabled	- *	Disabled	
HOST ROOT CA File			
ELAVONCA.PEM	*		
HOST URLS			
		Primary Auth Page	
		Primary Auth Page /cgi-bin/encompass.cgi	
Primary Auth URL prodgate02.viaconex.com		A CALL AND A	
		A CALL AND A	
prodgate02.viaconex.com Primary Auth Port		/cgi-bin/encompass.cgi	
Primary Auth Port 443 Backup Auth Page		/cgi-bin/encompass.cgi Backup Auth URL	
Primary Auth Port 443 Backup Auth Page		/cgi-bin/encompass.cgi	
Primary Auth Port 443		/cgi-bin/encompass.cgi Backup Auth URL	
Primary Auth Port 443 Backup Auth Page /cgi-bin/encompass.cgi		/cgi-bin/encompass.cgi Backup Auth URL Backup Auth Port	
Primary Auth Port 443 Backup Auth Page /cgi-bin/encompass.cgi Primary Batch URL prodgate02.viaconex.com		/cgi-bin/encompass.cgi Backup Auth URL Backup Auth Port Primary Batch Page	
Primary Auth Port 443 Backup Auth Page /cgi-bin/encompass.cgi Primary Batch URL prodgate02.viaconex.com		/cgi-bin/encompass.cgi Backup Auth URL Backup Auth Port Primary Batch Page /cgi-bin/encompass.cgi	
Primary Auth Port 443 Backup Auth Page /cgi-bin/encompass.cgi Primary Batch URL		/cgi-bin/encompass.cgi Backup Auth URL Backup Auth Port Primary Batch Page	
Primary Auth Page /cgi-bin/encompass.cgi Primary Batch URL prodgate02.viaconex.com Primary Batch Port		/cgi-bin/encompass.cgi Backup Auth URL Backup Auth Port Primary Batch Page /cgi-bin/encompass.cgi	

## Third, activate the push task.

K BROADPOS MP	V Push Task Configuration (A920Debug-0821)	SSC024) Q 📳 🌲 🔛 🕹 Zarrik Veldman 🤤
Monitoring	BroadPOS Elavon	Oreste Task         Parameter           2023 H03 H 54 S         2023 H0 38 H54 S         2023 H0 38 H54 S         3         Active Task         4         Effective         5         Completed           Zorr/K Voldman         Zorr/K Voldman         Zorr/K Voldman         2         3         Active Task         4         Effective         5         Completed
Alert     Terminal Geo-Location	Status Pockage Name Online com.pax.us.pay.std.el., Version Developer	Push Content
Task # App List	V1.01.10E_20221118 PAX USB0 Model OS A30 V Android	BroadPOS Elavon     Codated Time 2022 11-18 16:08     VEW TEMPLATE DETAIL
My Activity	Bize Type 15.5 MB Parameter App Updated Time 2022:11-18 18:08	Push Configuration W4F1 Only Download over 1967 or Cable network don't above to download over 196 cethilder network.
<ul> <li>Terminal Management</li> <li>Group Management</li> </ul>	Parameter FRe restaurant.zip retail.zip	Connect part for a clear instruction, and connect and another
🗑 Templates 🛛 ~ System		Do you need to publi right away? TIME ZONE: (GMT+08:00) China Standard Time - Shanghal ()
General Setting     User Management		EXPIRED DATE:
-		

BroadPOS Elavor	n 🛱	Create Task 2023-10-28 14:56 Zerrik Voldman Zerrik Voldman Zerrik Voldman Zerrik Voldman
Status Online Version	Package Name com.pax.us.pay.std.el Developer	Push Content
V1.01.10E_20221118 Model A30 * Size 15.5 MB Updated Time	Activate Push Ta	-
2022-11-18 18:08		CANCEL
Parameter File		Force Update Whether to force the app to update
retail.zip		Push Immediately Do you need to push right away?

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.

K BROADPOS MP	< Terminal Details	Q. 🗐 🌲 🏭 🏝 Zorrik Voldman 🌐
Monitoriog B: Dashboard	A920Debug Reader VII Suffward Weithert Optical Dahles – Mr. 0211680034 / 100-400(34507 / Model Namel App) Basic Information - App & Firmware - Punk Task - Betting - Parameter Variables	100% Colline (2023-10-28-13-28)
Terminal Geo-Location	App Formuse Add Push App	+ PUSH APP
Task # App List	BroadPOS Elavion ( The Research Ago Marco Push Template CSpdc 1	
Firmware List     My Activity	App this Tom 2020-19 App Nume Version Size Type Developer Updated Time	
Management	Operation Histo 10 / Page + 1 Records 3	□ Q ~
<ul> <li>■ Group Management</li> <li>■ Templates </li> </ul>	CANCEL	
System		
2 User Management		

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.

o <del>.</del> x 🏺 🛛 🕈 🖹	100% 23:41 🖌
← Settings	
Upload URL	
https://link.c9pg.com:11971/txnApi	
CloudBridge URL wss://link.c9pg.com:14971	
Gift URL	
https://link.c9pg.com:11971/restApi	
Auto Clean Local Records	
Auto Clean Time(HH:mm) 23:50	
Allow Local Server	
GMID	DEBUG only Not for COMMERCIAL

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: <a href="https://portal.c9pg.com/">https://portal.c9pg.com/</a>)

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.

Basic Information					-PaxSemi	Terminals	Peripherals	
Name: #				Brand Acceptance	Transaction Acceptance			
Natifies -				All Accept				
PaxSemi				MasterCard	Debit Card	DinersClub	EBT FoodStamp	
Tag:		Ref Number: 0		CUP	Lovalty	VISA	Maestro	
		782159,782160,78216	1,782162,782163,782164,78	_		-	JAL	
Merchant Account Number: *						-		
1500270820			5	Gift	Prepaid	EBT CashBenefit	E-Check	
Processing								
Processor: PaxSami				Mapping				
				All Card Bra				
Capture Mode:	Hos	t Capture		MasterCard	Debit Card	DinersClub	EBT FoodStamp	
Parameter	Value			CUP	Lovalty	VISA	Maestro	
Category Code						-	JAL	
Terminal Number		_						
ånant Bank Number		_		Gift	Prepaid	EBT CashBenefit	E-Check	
	Ľ							
Agent Chain Number								
Terminal ID				Notes				
Auto Batch Time 0	2330EST	_						
	Merchant Account Nur 1500270820 Processing Processor: Capture Mode: Parameter Category Code Terminal Number Agent Bank Number Agent Chain Number Terminal ID	Marchant Account Number: * 1500270830 Processing Processor: Processor: Parameter Value Capture Node: Hear Parameter Value Campory Code Terminal Number Campor Code Terminal Number Terminal Number Terminal D		782169.782160.782161.782162.782164.78           Morchant Account Number: *           1500070800           Processing           Processor:           Paulianni           Capture Mode:           Host Capture           Capture Mode:           Agent Bank Number           Terminal Number           Terminal Outline           Terminal D	TREFINIAL Back Number     TREFINIAL Back Number     Control     Contro     Contro	722158/722162/722162/722162/722164/7       Marchant Account Number: •       1500070600       Processing       Processing       Processing       Statemarker       Valve       Capture Note:       Hoar Capture       Valve       Capture Note:       Gift       Cup Control       Capture       Valve       Capture       Capture       Capture       Capture       Capture       Capture       Capture       Valve       Capture       Valve       Capture       Valve       Capture       Capture       Capture       Capture       Valve       Cap	782193/782162/78216	

c. Register device in Cloud9

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

Setup > Business > Structure > Terr	minal-setup							
Filter Nodes	Parent Business - Aaron Golden	Parent Region (None)	Parent Property (None)	Parent Store - PaxTest	Parent Profit Center - Main	Parent Merchant Account - PaxSemi	Current Terminal -0821880024	List of Peripherals
PaxTest 🛞	Status: Active		🗿 Type: Terminal		Store: PaxTest		t Merchant Account: I	PaxSemi
Main Profit Center	Basic Information				Entry Capabilities			
-▼ PaxSemi (€) Merchant Account	Name: *				Manual Entry:		Select Manual Entry	
O821880024 O Terminal	0821880024				MSR Entry:		Select MSR Entry	
	Tag:		Ref Number: 0		ICC Entry:		Select ICC Entry	
	Terminal Number: •		Short Code: *		Contactless Entry:		Select Contactless Entry	
	1500270838	5	2323		MICR Entry:		Select MICR Entry	~
	Serial Number: Register Terminal				PIN Entry:		Select PIN Entry	
					Signature Entry:		Select Signature Entry	
	Gateway				Security Capabilities			
	Username:		Password:		Certificate Cap:		Select certificate type	
	user	•••		•••	Encryption Cap:		Select Encryption type	~
	GT1520059013		Main L	ane Number:	Certificate Number:			
	Token:							
					HW System Info SW System Info Controller System Info			
	Token				Make:		Model Number:	

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

GMID:       1511105982         GTID:       GT1520059013         GT1520059013       Ie         Name:       0821880024         Terminal Type:       Y         Pax       1       Y         Serial Number       0821880024       Y	
GTID: GT1520059013 Name: 0821880024 Terminal Type: Pax 1 ~ V Serial Number	
GTID: GT1520059013 Name: 0821880024 Terminal Type: Pax 1 ~ 1 Serial Number	
Name:   0821880024   Terminal Type:   Pax   1   Serial Number	
0821880024 Terminal Type: Pax 1 ~ V Serial Number	
Terminal Type: Pax 1 ~ Serial Number	
Pax 1 ~ V Serial Number	
Pax 1 ~ ry Serial Number	
0821880024 2	
3 <sup>ail</sup>	
»Proceed	
Main Lane Number: 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: <u>https://testlink.c9pg.com/apidocs/</u>).