

XE-CONNECT Quick Start Guide for Windows







01	Installation Instructions	2
02	XEPAY XECONNECT™	3
03	How It Works	4
04	Version Details	4
05	Compatibility	5
06	Setup (Snap* Commerce Driver / E-Service)	7
07	Advanced Settings (Snap* Commerce Driver)	8
80	Advanced Settings (E-Service)	9
09	Integration & Transaction Processing	16
10	Optional Features	18
11	Sample App	18



1) Extract the XEConnect zip file into the root of your C: drive. Once you have extracted the folder, the file path should look like C:\XEConnect.

2) Locate xeposExternal.exe in this folder and ensure it is running in the background.

3)When xeposExternal.exe is running you should see an "XE" logo in the bottom right of your taskbar in the system tray, or in the overflow menu.

4) xeposExternal.exe should be set to run every time your software opens, or alternatively you can set it to run on Windows start-up.



XEPAY XE-CONNECT™

Adding **EMV** transaction processing to your POS system is easy with the pre-certified **XE-CONNECT™**.

The pre-certified **XE-CONNECT**[™] installs along side your software application to add **EMV** transaction processing to your POS system.

XE-CONNECT[™] facilitates all transactional communication with the EVO Payments International global processing platforms and approved hardware devices to isolate payment data and keep it separate from the software application.

XE-CONNECT[™] is designed to support multiple terminal manufacturers while retaining a common API. At startup, XE-CONNECT[™] detects the supported terminal manufacturer(s)/models for processing Authorize, Authorize & Capture, Return and Void transactions.



How It Works

1. Create transaction data objects in your POS software.

2. Pass the transaction data to XE-CONNECT[™].

3. **XE-CONNECT[™]** initiates terminal commands and gathers tender/EMV data to send to the EVO Snap^{*} Platform/ E-service.

4. The EVO Snap* Platform / E-service returns a response to XE-CONNECT[™] with receipt details.

• XE-CONNECT^M (ver. 2.53) works with both EVO Payments International global processing platforms (snap* commerce driver (ver. 2.33.0.9) & E-Service) which we will explain how to integrate both services into your POS software while using the same API's for both platforms.

Version Details

XE-CONNECT[™] - ver 2.53

• Supported Terminals:

(Snap* commerce driver): Ingenico ICMP via Serial USB, Ingenico iPP320/iPP350 via Serial USB

(E-service): Ingenico Desk 3500 & Ingenico Move 3500

Compatibility

- XE-CONNECT[™] Windows® 7+
- Visual Studio 2010+ 👩
- .Net 4.8

Setup

(Snap* Commerce Driver / E-Service)

To get started with Snap * commerce driver & E-Service integration, **XE-CONNECT[™]** must be hosted locally.

For our example, the following folder has been placed in the C:/ directory.

- 1. Download the **XE-CONNECT[™]** Software and place it in the C:/ directory.
- 2. Extract the archive into the same directory.
- 3. Edit the XeposExternal.exe.config file.
- 4. In the configuration file the values that need to be configured are between line 17 to 34 which are as follows
- All values are string type



CREDENTIALS

(Snap* commerce driver)

- Platform environment: There are 2 types of environments that can be set, UAT & PROD
- UAT: For test purposes (UAT card terminal required)
- PROD: For production purposes
- Service Key: provided by XEPAY (example: "11DCB1111F11111")
- Username & Password: Provided by XEPAY (example: username="xepay" password="xepay")
- Store Value Service ID: Provided by XEPAY (example: "B1AF1111C")
- Bank Card Service ID (Terminal ID): provided by XEPAY (example: "11C1100001")
- Application profile ID: Provided by XEPAY (example: "111111")

17	<pre><platform environment="UAT"></platform></pre>
	<pre><accountservice clienttimeout="70" promptdaysbeforeexpire="10" servicekey="11DCB1111F111111"></accountservice></pre>
	<pre><credentials password="xepay" username="xepay"></credentials></pre>
	<pre><defaults bankcardserviceid="11C1100001" storedvalueserviceid="BIAF1111C"></defaults></pre>
	<pre><pre><pre><pre>cpaymentService applicationProfileID="111111" clientTimeout="70" /></pre></pre></pre></pre>
	<transactionservice clienttimeout="70"></transactionservice>

Terminal Configuration (Snap* commerce driver)

- Terminal Name: "icmp"
- Serial Auto Detect: "false"
- Baud Rate: "Bps115200"
- Com Port: device manager should be checked for Com port
- Data Bits: "Eight"
- Flow Control: "None"
- Parity: "None"
- Stop Bits: "One"



• Ater setting up all the details listed above save the configuration and run xeposexternal.exe



Terminal Configuration

(E-service)

The Terminals that are integrated with the E-Service platform uses a local or public IP address and a static port number to communicate with **XE-CONNECT™**.

- EServicelp: card terminal IP address
- EServicePort: default value is "3000"
- IsEService: the value is either "True" or "False"

Values:

True: XE-CONNECT[™] will work in E-Service platform mode

False: XE-CONNECT[™] will work in Snap *commerce drive mode

2.12	
143	add key="EServiceIp" value="192.168.10.220" />
144	<add key="EServicePort" value="3000"></add>
145	<add key="IsEService" value="true"></add>
146	and house beneficial before clear to see the started
147	



Advanced Settings

(Snap* commerce driver)

1. For accessing the advanced settings to change your account information for the snap^{*} commerce driver you could use the following link below http://localhost:5050/api/evoconfiguration

Please See Image Below

Login	Logout	Forget Password
Login	Logout	roigerrassword
login using account detail which you provide in application setting	perform logout operation to log out from web service	if you have forgotten your password use this section
Change Password	Security Question	
change russword	Security Question	
If you have forgotten your password use this section to change it	change your account's security question	
Service Key :78DCB8798F000001		
UserName : xepos_new_retail		
Password : P******4		
Mode:UAT		

The API used for each property is as follows

- Login: http://localhost:5050/api/Xepos/Evo/Login
- Logout: http://localhost:5050/api/Xepos/Evo/Logout\
- Forget Password: http://localhost:5050/api/Xepos/Evo/ForgotPassword
- Change password: http://localhost:5050/api/Xepos/Evo/ChangePassword
- Security questions: http://localhost:5050/api/Xepos/Evo/GetSecurityQuestions



Advanced settings

(E-service)

1. For accessing the advanced settings to update or settle the terminal you could use the following link below http://localhost:5050/api/eserviceConfiguration

Please See Image Below



The API used for each property is as follows

- Settle Transactions: http://localhost:5050/api/Xepos/Evo/DoReconciliation
- Update Terminal: http://localhost:5050/api/Xepos/Evo/UpdateTerminal



Integration & Transaction Processing

Two transaction sets can be processed using **XE-CONNECT**[™].

Terminal Required Transactions

- Authorize (Snap* commerce driver)
- Authorize and Capture (Snap* commerce driver & E-Service)
- Return unlinked (E-service)

No Terminal Required Transactions

- Capture (Snap* commerce driver)
- Undo (Void) (Snap* commerce driver & E-Service)
- Return by ID (Refund) (Snap* commerce driver)

For processing a transaction & communicating with XE-CONNECT^m there are 2 types of method used, GET & POST.



Authorize

(Snap* Commerce Driver)

The Authorize function is processed by a POST method & the API & values needed to proceed this transaction is as follows

Values:

"Amount": 0, "OrderNo": "string", "TipAmount": 0, "CashbackAmount": 0, "EmployeeId": "string", "RefrenceNo": "string", "LaneId": "string" }

Authorize and Capture

(Snap* Commerce Driver & E-Service)

this function is processed by a POST method & the API & values needed to proceed the Authorize and capture transaction is as follows

API: http://localhost:5050/api/Xepos/Evo/AuthorizeCapture

Values:

£ "Amount": 0, "OrderNo": "string", "TipAmount": 0, "CashbackAmount": 0, "EmployeeId": "string", "RefrenceNo": "string", "LaneId": "string" }

C# Sample Code:



Capture

(Snap* Commerce Driver)

This function is processed by a POST method & the API & values needed to proceed the Authorize and capture transaction is as follows

API: http://localhost:5050/api/Xepos/Evo/Capture

Values:



TranactionId: The value is provided from the response of the authorize transaction



Undo (Void)

(Snap* Commerce Driver & E-Service)

The Undo function is processed by a POST method & the API & values needed to proceed the Authorize and capture transaction is as follows

API: http://localhost:5050/api/Xepos/Evo/Void

Values:



Reason: This value should always be set as 0

TransactionId: The value is provided from the response of the authorize and authorize & capture transactions





Return by I (Refund)

(Snap* Commerce Driver)

The Refund function is processed by a POST method & the API & values needed to proceed the Authorize and capture transaction is as follows

API: http://localhost:5050/api/Xepos/Evo/Refund

Values:



 $\ensuremath{\text{TransactionId:}}$ The value is provided from the response of the authorize and authorize & capture transactions



Return Unlinked (Refund)

(E-Service)

This process is like the Refund by ID and uses the same API but in E-Service mode the refund is handled at the terminal side and transactionID is optional

API: http://localhost:5050/api/Xepos/Evo/Refund

Transaction Info:

This function is processed by a GET method and should be called after each of the above functions to capture and store the response from EVO servers

API: http://localhost:5050/api/Xepos/Evo/GetTransactionInfo

• This API should be set in a loop for every 1 second, the response that you will receive is 'Request not Completed yet' this loop should continue until you don't get this message anymore, the response that you will get from the server is either approved, cancelled or declined with the values listed below.

• The response of each transaction whether its approved, declined or canceled is also store in a file response.txt in the same directory of the software



C# Sample Code:



The values returned is as follows:

- StatusCode
- Approval Code
- Amount
- Status
- ApprovalCode
- AvsResultActualResult
- AvsResultPostalCodeResult
- TransactionStatusCode
- BatchId
- CvResult
- StatusMessage
- TransactionId



Optional APIs

Using the APIs below is optional but useful to have in your software

Auto Open XE-CONNECT: To open the XE-CONNECT[™] automatically the following code can be used.

ProcessStartInfo start = new ProcessStartInfo {FileName = XeConnectFilePath};

Process.Start(start);

XeConnectFilePath = @"C:\localprinters\XeposExternal.exe";

Closing XE-CONNECT: This process is done by a GET method and to close the XE-CONNECT[™] app through your software you can use the API below

http://localhost:5050/api/Xepos/Close



XE-CONNECT uptime: This process is done by a GET method and to ensure that xeposexternal is running in the background at all times this API can be used. The response is either True or False.

http://localhost:5050/api/Xepos/IsServerUp

 \bullet Its recommended to call this API before any transaction to make sure XE-CONNECT ${}^{\rm \tiny M}$ is running

	<pre>tring url = BaseAddress + "Xepos/IsServerUp";</pre>
	sing (Http://ient client = new Http://ient())
	sing (Http://www.senessage response = await client.detAsync(uri))
u 5	sing (hetpcontent content - responsescontent)
2000	<pre>string result = await content.ReadAsStringAsync();</pre>
	if (result != null)
	return Convert.ToBoolean(result);
	3
	return false;
}	
atch	(Exception)



Sample App

(Swagger):

All functions stated in the document can be tested using the following link.

http://localhost:5050/api/swagger





