



SIM Configuration Guide

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Version Number	Date	Author	Changes
1	Feb 2015	Sam Smith	
2	Jul 2019	Sam Smith	Updated branding Moved the Server SMS Gateway settings to: 8297 SMS API User Guide Updated the APN to eseye1

Contents

1	SIM APN Settings	3
2	SIM MMS Settings	4
3	SIM Email Settings	5
4	SIM SMS Settings	6
5	SIM SMS Charging	6
5.1	Eseye Mobile Originated	6
5.2	Eseye Mobile Terminated	7
5.3	Non Eseye Mobile Terminated	7
5.4	API SMS Receive	7
5.5	API SMS Terminate Mobile Transmit.....	8
5.6	Examples	8

1 SIM APN Settings



Eseye operate a private APN that is accessible from its SIM cards.

APN: eseye1

Username: Your_Company_Name

Password: Pass

Device authentication at the APN is done using the SIM number. The username and password are not actually used for authentication and so you can set these fields to anything. We recommend setting the username to your company name as it helps the Eseye support team assist you.



Internet APN	
APN	<input type="text" value="eseye.com"/>
User	<input type="text" value="jablo65internet"/>
Password	<input type="text" value="jablo"/>
DNS server	<input type="text"/>

Figure 1: APN Settings Example

2 SIM MMS Settings



Eseye operate an MMSC that is accessible from its SIM cards. The MMSC is accessible through the Eseye WAP gateway using the standard “eseye.com” APN.


Gateway IP: 192.168.252.2

Port: 80

MMSC URL: <http://192.168.252.2/mms=mms>

The default option is for the server to generate a unique web link for the MMS content and SMS or email the link to the intended destination. This method provides the lowest cost and most compatible delivery mechanism for devices that need to route MMS.

The cost of sending an MMS through this mechanism is the cost of the GPRS data to the MMSC and an SMS message. These are charged to the SIM at standard rates.



MMS Server	
MMS server	192.168.252.2
Port	80
MMS URL	http://192.168.252
Maximum MMS size	300 kB

Figure 2: MMS Settings Example

3 SIM Email Settings



Eseye operate an SMTP mail relay that is accessible from its SIM cards, so that SIM cards can send emails.

SMTP Relay: 192.168.111.3

Port: 25

The external IP address for the mail relay resolves to “eseye.net” so it is recommended to set the from email address in your device to be from the eseye.net domain to allow it to successfully negotiate some email SPAM filters.

A screenshot of a settings window titled "SMTP mail server". It contains four input fields: "User" with the value "jablo65", "Password" with the value "*****", "Server" with the value "192.168.111.3", and "Port" with the value "25".

SMTP mail server	
User	jablo65
Password	*****
Server	192.168.111.3
Port	25

Figure 3: SMTP Settings Example

4 SIM SMS Settings



All the Eseye SIMs can be configured to send and receive SMS messages. By default these services are barred.

Eseye operate an UDP to SMS service accessible from its SIM cards. The gateway will take the IP packet and convert it to an SMS.

Please refer to document “8063 Serval UDP to SMS Service” for more information.

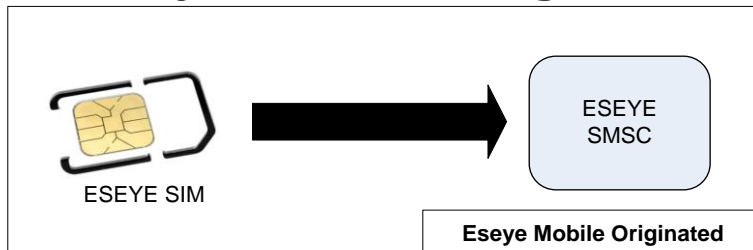
This method provides the lowest cost method of sending SMS messages from the SIM, particularly relevant if the SIM is abroad. You only pay for the low cost GPRS packet and the outbound bulk SMS.

5 SIM SMS Charging



SMS can be a cost effective protocol for delivering data, however it can also turn out to be a very expensive route, understanding how the SMS charges are built up is essential for managing these costs.

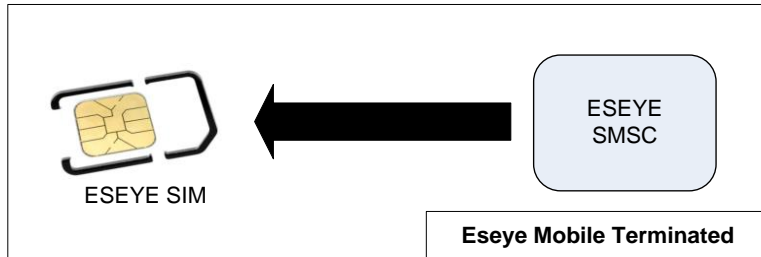
5.1 Eseye Mobile Originated



The Eseye Mobile Originated transaction is for an Eseye SIM originating an SMS message and it being delivered to the Eseye SMSC.

The charges associated with this element depend on the mobile network the Eseye SIM is currently operating within.

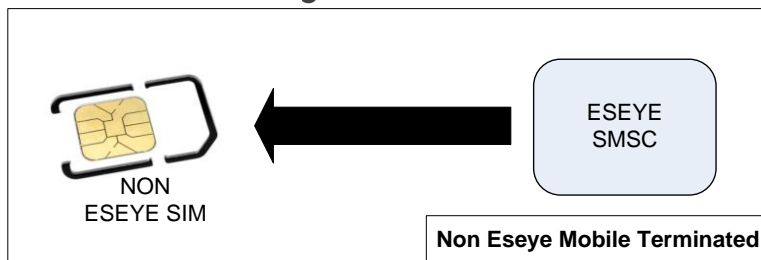
5.2 Eseye Mobile Terminated



The Eseye Mobile Terminated transaction is for an SMS message being delivered to an Eseye SIM from the Eseye SMSC.

There is no charge associated with this transaction.

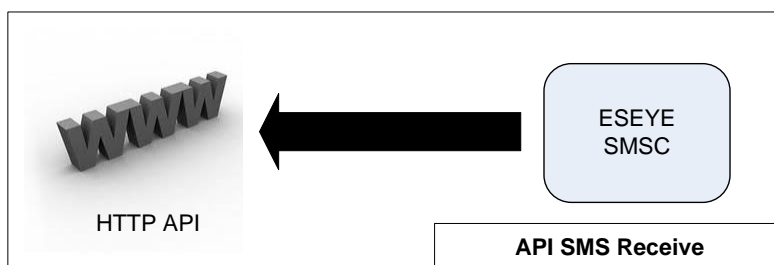
5.3 Non Eseye Mobile Terminated



The Non Eseye Mobile Terminated transaction is for an SMS message being delivered to a Non-Eseye SIM from the Eseye SMSC.

The charges associated with this element depend on the mobile network the target SIM is a subscriber of.

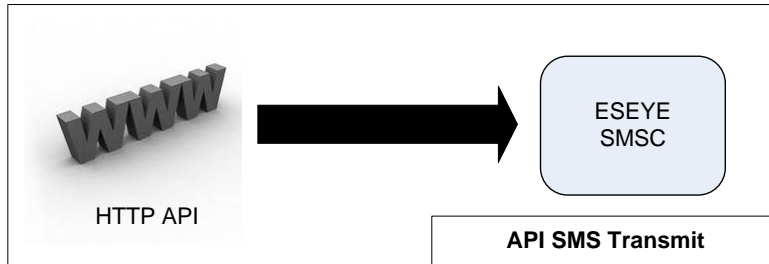
5.4 API SMS Receive



The API SMS Receive transaction is when an SMS is delivered from the Eseye SMSC to a customer's server using the HTTP API.

There is no charge associated with this transaction.

5.5 API SMS Terminate Mobile Transmit



The API SMS Transmit transaction is when a customer's server sends an SMS to the Eseye SMSC for delivery to a mobile SIM card.

There is a fixed SMS transmit charge associated with this transaction.

5.6 Examples

Source	Destination	Components	Comment
Eseye SIM	Customer Server	Eseye Mobile Originated API SMS Receive	Lowest cost solution for receiving SMS from an Eseye SIM
Eseye SIM	Non Eseye SIM	Eseye Mobile Originated Non Eseye Mobile Terminated	Normal SMS operation, two international charges are incurred.
Non Eseye SIM	Eseye SIM	Eseye Mobile Terminated	No additional Eseye charges
Customer Server	Eseye SIM	API SMS Transmit Eseye Mobile Terminated	Lowest cost solution for transmitting SMS to an Eseye SIM
Customer Server	Non Eseye SIM	API SMS Transmit Non Eseye Mobile Terminated	Outbound SMS gateway service.