PAYMENT TERMINAL SOFTWARE
RELEASE3 2014
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Highlights:

In this release Nets introduces:

- iSMP i5 : a Mobile integrated payment terminal for iPhone and iPod 5th generation
- Bluetooth integration on iWL250 with ECR on an Android device
- ECR integration feature that enables automatic selection of currency
- Receiving amount in local mode

About the release:

SW version 4.32 (Test Release 53.09)

This release is for
- IUP250 + IUR250, iUC180B+iUR250
- ICT250E, ICT250EG, ICT220E, ICT220EG
- IWL220, IWL250G, IWL250B, iWL255G(3G terminal)
- IPP350
- iCM122(iCMP), iSMP Companion terminals
- New Terminal type – iSMP i5
- Merchant Languages: NO, SE, DK, FI, EN

Pay@Table is not a part of this release.

Availability
Contact your local Pre-Sales team or Account Manager for more information about this release.

Mobile integrated payment terminal iSMP i5

The iSMP i5 is a small and light weight payment terminal that can turn your tablet or smartphone into a smart mobile POS to maximize the in-store and outdoor mobility. It connects to your Android, iOS or Windows device over Bluetooth, using the same integration protocol that Nets has offered to the Nordic markets for many years – enabling an easy integration for existing partners. The iSMP i5 offers state of the art technology and fulfils the latest hardware security requirements in the market (PCI PTS 3.x).

The iSMP model series from Nets will give you access to the same functionalities you expect from our stationary models. In addition the iSMP has a 1D and 2D barcode reader enabling the reading of most common barcodes used in retail today.

Features:

- Designed for Mobile medium and high volume retail
- Ideal for mobile cashiers, flexible POS systems reducing queueing.
- Integrated barcode reader replaces the need for external readers
- Excellent battery lifetime
- Integrates with your mobile device through Bluetooth
- Supports all standard Nets features for integrated terminals
- Supports Contactless, EMV Chip & PIN and Magstripe
- Supports BankAxept and Dankort
- Supports leading Mobile operating systems (iOS, Android and Windows.)

Bluetooth integration on iWL250 with ECR on an Android device

This feature enables the terminal to integrate wirelessly over Bluetooth directly with an Android based smart device (Phone/tablet). We expect to deliver windows support as well during 2015.
The changes are done to enable iWL250B connection with mobile devices over Bluetooth.

The Bluetooth parameters are enabled for iWL250B so that it can be connected to ECR running on mobile device.

Note that the power up sequence has changed on the iWL250B. If you press stop when the terminal asks «pair with base», the terminal will now go to idle that allows you to set it up for integration with a smartphone/tablet.

The pairing process is the same as for the iSMP and iCMP terminals.

ECR integration feature that enables automatic selection of currency

This new feature enables the ECR to retrieve the truncated PAN from a card inserted into a multiterminal so that it can use this to i.e. offer the correct currency to the card holder.

The following prerequisites should be met when using this functionality:

> All multi IDs must have same card types (cannot have i.e. Amex on one and not on the other) to avoid cases where a card is recognized on one BAX and not on the other.

Receiving amount in local mode

The terminal sends the amount used in transfer amount function in extended local mode result.

This new feature enables the ECR to know more about the transaction that was completed, yet another factor to compare with to ensure correct bookkeeping.

There is an existing field in extended local mode known as "Total amount". This field will be used if "total amount" feature is enabled in device attribute.

Configuration of AlwaysUseTotalAmountInExtendedLM=1 is needed in the baxi.ini file, no special settings needed on the terminal.

Increased length of merchant name and address on receipts

In this release the terminal receipt is enabled to print up to 24 characters of merchant name and address in the header.

iSMP improvement in configuration of symbologies

This feature enables the ECR to select which symbologies are active on the iSMP barcode reader. You may choose any number of symbologies to be active.

Function "Send data [H49]" and sub function "Send JSON request-response" are used to handle the barcode configuration requests and response.

The symbologies requested by ECR are then configured in barcode reader and saved to flash.

Improvements

GPRS refactoring

The GPRS code has been rewritten to improve the general performance and reconnection speed if the radio link has been lost.

Incidents resolved:

Transaction approved but wrong status given in Terminal-Baxi interface

In some cases when a customer has performed a purchase transaction, the ECR (iUN) receives wrong messages to the terminal BAXI interface. In these cases the messages shown on the terminal has been "Technical error" even when the transaction have been approved. A fix has been made and are now available.

iSMP Barcode reader adds unwanted 0 to UPC-E and UPC-A barcodes

A fix is included for removing the unwanted 0.

Reported some hang issues after upgrade to software v4.14

A fix have been introduced for this.

Memory leaks fixed

Fixed memory leaks in this release.

Wrong response code on Purchase+Cash for some Cards

The terminal used a wrong value for identifying the transaction type (purchase+cashback). This lead to rejection of transactions for some Cards. A fix is included in this release.

Communication Configuration:

S.No.	Host Communications types	Baud rate	Terminal type
1	ECR via RS232 (Separate cable)	57600	IUP250 + IUR250 + IUC150, ICT220, ICT250, IPP350
2	ECR via USB	NA	IUP250 + IUR250, ICT220, ICT250, IPP350,iWL220, iWL250B, iWL250G, iWL255G, iCM122, iSMP
3	ECR via RS232 (Magic box)	57600	ICT220, ICT250, IPP350
4	Ethernet via Magic box	NA	ICT220, ICT250, IPP350
5	Ethernet dynamic / static	NA	IUP250 + IUR250, iUC180B+iUR250, IPP350, ICT220, ICT250, IWL250B
6	GPRS	NA	ICT220EG, ICT250EG, IWL250G, IWL220G
7	ECR via IP Ethernet	NA	ICT220, ICT250, IPP350, IUP250+IUR250, iUC180B+iUR250
9*	BT Android (GPRS or WiFi)	NA	iCMP/ iSMP/iSMP i5/iWL250B
10*	BT iOS (GPRS or WiFi)	NA	iCMP/ iSMP/iSMP i5
11	Ethernet- Direct cable	NA	iPP350

*Communication from iCMP/iSMP/iWL250B to smart device is BT Android/ BT iOS but from smart device to PSP is using WiFi (or GPRS)