



FAST PAYMENT SYSTEM (FPS) OPERATION MANUAL

1. INTRODUCTION

FAST PAYMENT SYSTEM (FPS) is an intelligent, innovative electronic bill payment kiosk which operates 24x7x365 for the ease of customer to perform Bill payment transaction via the automated FPS machine at the LOCAL COUNCIL premises in a simple, secure and quick way.

To ease the customer during transaction, simple instructions supported by animated guide displayed on the screen. A receipt containing the information of the transaction is printed for the customer. Transaction and payment information are stored locally in the FPS and immediately transmitted to the central FPS servers.

The currently available bill payment services at the FPS machine is ASSESSMENT TAX. Future services are Compound, ASSESSMENT TAX Bill Printing & etc.

The FPS machine at LOCAL COUNCIL is connected to the back-end server via LOCAL COUNCIL network.

2. SYSTEM MODULES

Component Layout of FPS – External View

NO.	DESCRIPTION
1	VIDEO CAMERA
2	TOUCH SCREEN
3	BARCODE SCANNER
4	THERMAL PRINTER
5	CREDIT & DEBIT CARD READER
6	ENCRYPTED PIN PAD
7	MYKAD BIOMETRIC READER
8	BULK CASH ACCEPTOR
9	BULK CHANGE GIVER
10	DOCUMENT SCANNER
11	UPPER DOOR LOCK
12	LOWER DOOR LOCK



No.	Item	Description
1	Enclosure	<ul style="list-style-type: none"> • Durable steel frame, powder coated steel back covers. • Moisture proof, Antirust, Anti-acid, Anti-dust, Static free. • Comes with 4 height adjustable steel feet and 2 bolting holes to securely anchor the kiosk to the floor. • 2 separate doors with one door sensor each.
2	Industrial PC	<ul style="list-style-type: none"> • Intel Quad Core 2.0Ghz Embedded PC • 4Gbyte RAM and 500GB HDD Storage • 6 Serial Port, 8 USB Port, 2 LAN Port, 1 VGA, 1 HDMI, Build in GPIO 8 Bit • Microsoft Windows 7 Embedded 32 Bit OS License • McAfee Anti-Virus • Acronis One Key Backup and Recovery
3	Touch Screen Monitor	<ul style="list-style-type: none"> • 17" TFT LCD; Brightness: 260cd/m2 Contrast: 1000:1. • Response Time: 5ms. • Dot pitch: 0.297. • Max. resolution: 1280*1024. • High Transparency, high precision and durability. • Surface Hardness: MoHs' hardness rating of 7. • Antirust, Anti-acid, Anti-dust & Anti-vandal. • Thickness: 6mm, Max: 4096×4096. • Force < 100G. • Response Time: 20ms.
4	Barcode Scanner	<ul style="list-style-type: none"> • Specially designed for Kiosk application. • DECODING CAPABILITY: 1D Barcode UPC/EAN/JAN, UPC-A & UPC-E, EAN-8 & EAN-13, JAN-8 & JAN-13, ISBN/ISSN, Code 39, Code 128 & EAN 128, Code 93, ITF 2 of 5, IATA Code, Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, JAP, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded 2D Barcode PDF 417, MicroPDF 417, 2D Code, MaxiCode, DataMatrix, DataMatrix Inverse, QR Code, QR Inverse, MicroQR Code, Aztec Code, Aztec Inverse, Postal Code. • Able to read codes from mobile phone or tablet screens

No.	Item	Description
5	Barcode Scanner	<ul style="list-style-type: none"> • Specially designed for Kiosk application. • DECODING CAPABILITY: 1D Barcode UPC/EAN/JAN, UPC-A & UPC-E, EAN-8 & EAN-13, JAN-8 & JAN-13, ISBN/ISSN, Code 39, Code 128 & EAN 128, Code 93, ITF 2 of 5, IATA Code, Postal Code, Code 32, Industrial 2 of 5, Standard 2 of 5, JAP, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded 2D Barcode PDF 417, MicroPDF 417, 2D Code, MaxiCode, DataMatrix, DataMatrix Inverse, QR Code, QR Inverse, MicroQR Code, Aztec Code, Aztec Inverse, Postal Code. • Able to read codes from mobile phone or tablet screens
6	UPS	<ul style="list-style-type: none"> • Capacity VA/W: 230 / 500. • Typical Recharge Time: 6-8 hours to 90%. • Battery Run Time: - Full Load 5 minutes; Half Load 10 minutes. • Optimized for SST environment
7	Thermal Printer	<ul style="list-style-type: none"> • High printing quality (200 and 300 DPI) • Up to 210mm paper width. • Able to print receipts and statements. • Auto paper cutting based on printout length. • Paper thickness: from 63 to 85 µm • Printing > 180 mm/sec • Highly reliable cutter: over 300,000 cuts • Sensors: Head temperature, paper presence, notch sensor, outfeed paper presence, near paper end (optional)
8	Document Scanner	<ul style="list-style-type: none"> • Module for enabling automatic document scanning at point of deposit. • Automatic shutter: prevents vandalism act. • Single document feeder with counting ability. • Paper skew detection. • High transport speed. • Front and rear document image scanning: up to 600 dpi, Colour JPEG format. • Removable collection box capacity up to 500 documents. • Document insertion platform for easy depositing.

No.	Item	Description
9	Cash Acceptor	<ul style="list-style-type: none"> • Bulk Note Feeder Insertion: Insertion of up to 25 banknotes in a bundle acceptance. • 4 ways bill insertion. • Up to 20 pieces banknote escrow. • 3 x 100 - 120 bill capacity recycler intelligent cassettes. • Bundles and dispenses up to 20 bills • Stacker Capacity: 1,000 banknotes • Accepts all MYR bank note denominations including polymer notes. • Banknotes acceptance based on latest banknote specification provided by Bank Negara. • Able to reject soiled and forged banknotes. • Acceptance Rate: 96% or higher.
10	Credit & Debit Card Reader with Encrypted Pin Pad	<ul style="list-style-type: none"> • Accept all payment means i.e. VISA, MASTER, AMEX & MCCS. • PCI-PTS 3.x. certified, meets the highest and latest hardware and software security requirements. • Highly Ruggedized - stands up to the most demanding outdoor environments and a wide variety of adverse environmental conditions. • Keypad and card-reader components are proofed against vandalism (IK10) and extreme weather. •
11	MyKad Biometric Reader	<ul style="list-style-type: none"> • Accepts MyKad & MyPR cards issued by JPN • Thin Optical Sensor (SAGEM-MorphoSmart™ CBM) • 1:1 and 1:N search • Verification time < 0.8s • Identification time < 1s

3. FPS APPLICATION

FPS machine consists of FPS application and the FPS Supervisor application. The FPS application is the main program which interfaces with the customer and capturing the transaction details and generate the transaction information from back-end processes.

The FPS Supervisor module consists of the Collection function and Load cash, Unload cash functionality with audit trail printing. This module allows officer to configure the FPS machine profile, maintenance modules etc. Following will describes in more details about the FPS application and its Supervisor module.

4. SYSTEM SCREEN FLOW

This section describes the FPS transaction screen flow for all products and services available in the FPS machine. These include the Supervisor module flow and procedure of the collections and cash handling.

The FPS system screen flow is divided into:

- a. Cash Payment Method
 - i. ASSESSMENT TAX
 - ii. Compound
- b. Card Payment Method
 - i. ASSESSMENT TAX
 - ii. Compound
- c. Cheque Payment Method
 - i. ASSESSMENT TAX
 - ii. Compound
- d. Printing
 - i. ASSESSMENT TAX Bill Printing
- e. Supervisor
 - i. Collection
 - ii. Setting
 - iii. Security

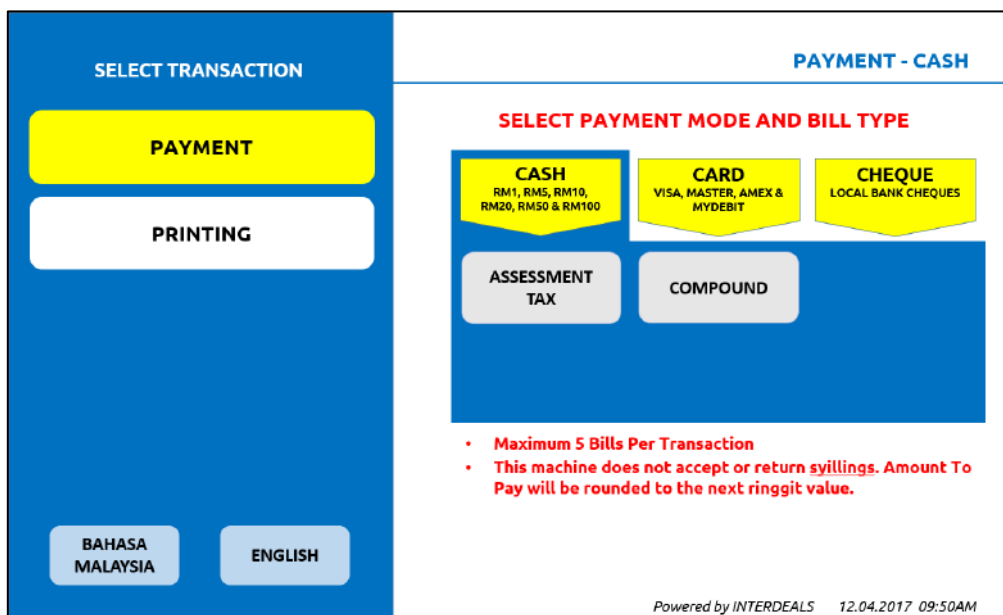
4.1 ADVERTISEMENT & MAIN MENU SCREEN

This screen describes the FPS 8000 Advertisement and Main Menu Page.



Screen Description:

- Advertisement Screen for the FPS 8000 system.
- User touch screen to begin the transaction.
- Advertisement screen will be loaded in sequence and display on the screen.



Screen Description:

- SELECT TRANSACTION screen.
- DEFAULT OPTION: PAYMENT - CASH
- OPTION: CASH PAYMENT – ASSESSMENT TAX & COMPOUND.
- LANGUAGES: toggle between different languages provided. (i.e. MALAY & ENGLISH). Default language will be MALAY.

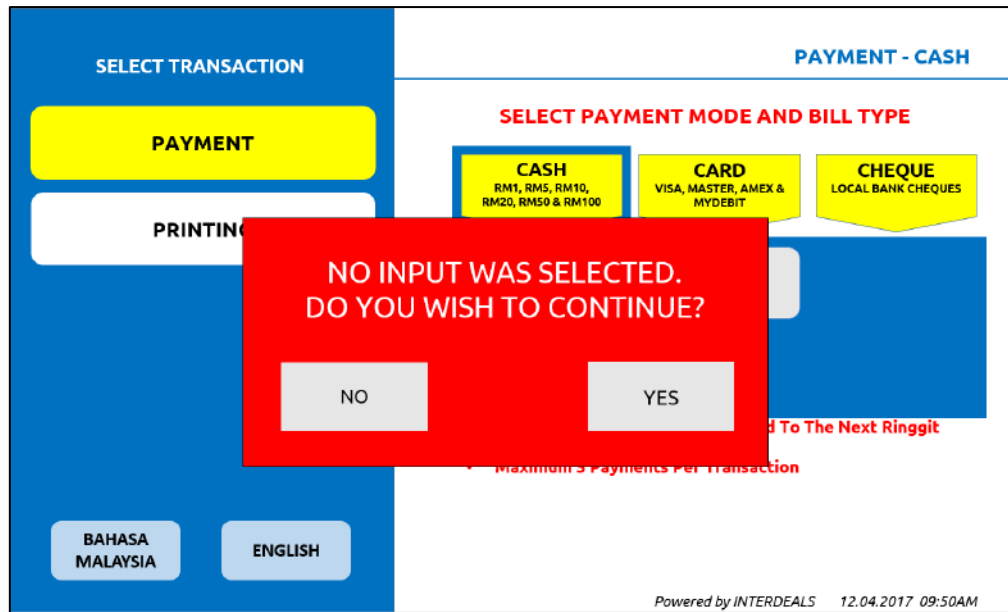
Screen Description:

- SELECT TRANSACTION screen.
- OPTION: PAYMENT.
- DEFAULT OPTION: CARD PAYMENT for ASSESSMENT TAX & COMPOUND.
- LANGUAGES: toggle between different languages provided. (i.e. MALAY & ENGLISH). Default language will be MALAY.

Screen Description:

- SELECT TRANSACTION screen.
- OPTION: PAYMENT.
- DEFAULT OPTION: CHEQUE PAYMENT for ASSESSMENT TAX.
- LANGUAGES: toggle between different languages provided. (i.e. MALAY & ENGLISH). Default language will be MALAY.

4.2 MAIN MENU SCREEN ERROR / MESSAGE PROMPT



Screen Description:

- Time out screen. Appear when there is no activity (idle) after 15 seconds. Another 15 seconds will be added when the above screen appear.
- YES: back to current screen.
- NO: back to ADVERTISEMENT Screen.

4.3 PAYMENT TRANSACTION SCREEN

This screen describes the FPS 8000 Payment Transaction screen flow.

SELECT TRANSACTION

PAYMENT

PRINTING

BAHASA MALAYSIA ENGLISH

PAYMENT - CASH

SELECT PAYMENT MODE AND BILL TYPE

CASH
RM1, RM5, RM10,
RM20, RM50 & RM100

CARD
VISA, MASTER, AMEX &
MYDEBIT

CHEQUE
LOCAL BANK CHEQUES

ASSESSMENT TAX

COMPOUND

- Maximum 5 Bills Per Transaction
- This machine does not accept or return syillings. Amount To Pay will be rounded to the next ringgit value.

Powered by INTERDEALS 12.04.2017 09:50AM

SELECT TRANSACTION

PAYMENT

PRINTING

BAHASA MALAYSIA ENGLISH

PAYMENT - CARD

SELECT PAYMENT MODE AND BILL TYPE

CASH
RM1, RM5, RM10,
RM20, RM50 & RM100

CARD
VISA, MASTER, AMEX &
MYDEBIT

CHEQUE
LOCAL BANK CHEQUES

ASSESSMENT TAX

COMPOUND

- Maximum 5 Bills Per Transaction
- Payment limit for credit card payment is RM1,500 per transaction.
- Payment limit for debit card payment is subject to limit set by card owner.

WE ACCEPT

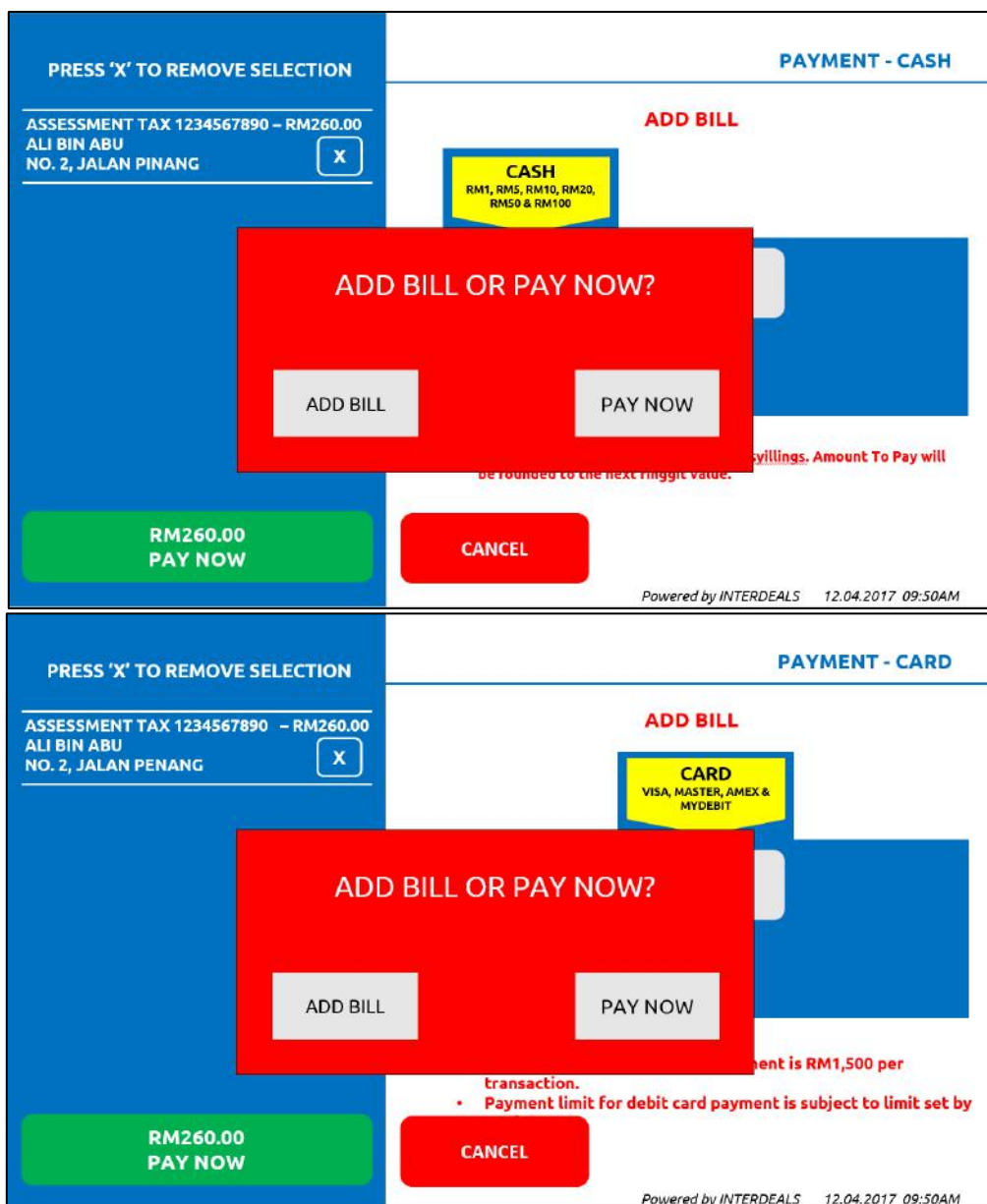
Powered by INTERDEALS 12.04.2017 09:50AM

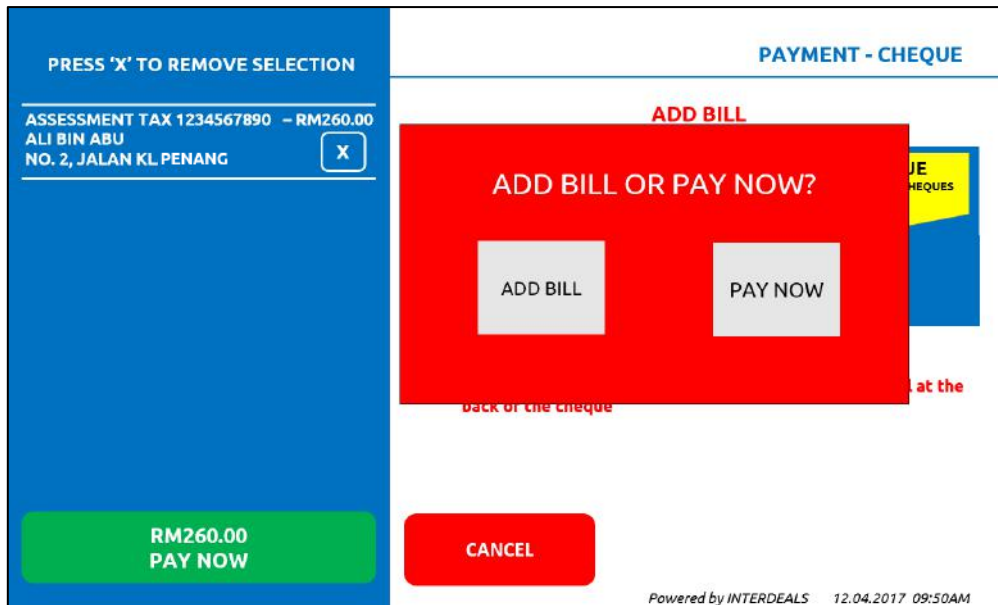
Screen Description:

- SELECT TRANSACTION screen.
- SELECTED OPTION: CASH / CARD / CHEQUE PAYMENT for ASSESSMENT TAX.
- LANGUAGES: toggle between different languages provided. (i.e. MALAY & ENGLISH). Default language will be MALAY.

Screen Description:

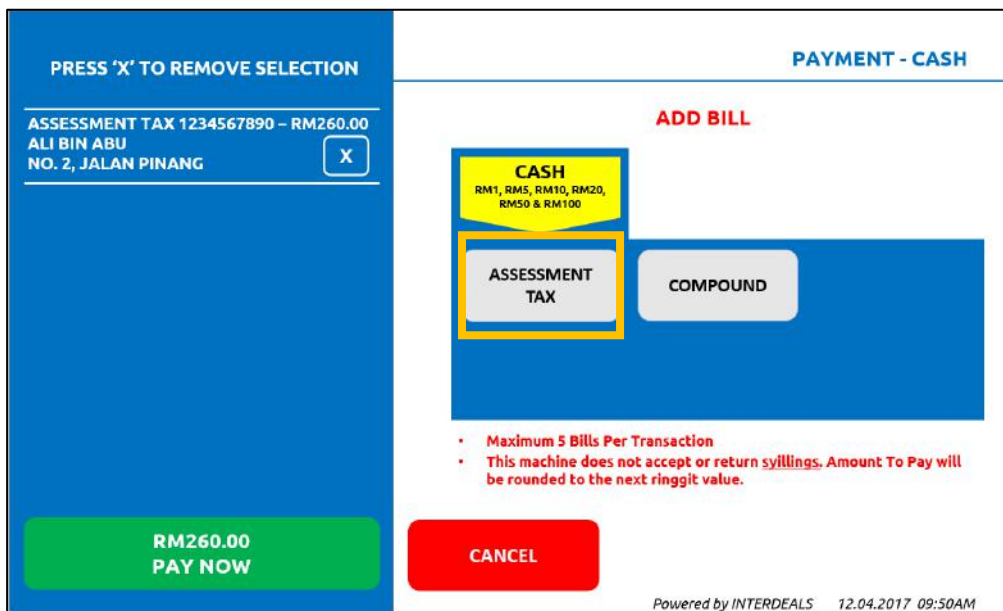
- CASH / CARD / CHEQUE - ASSESSMENT TAX input screen.
- Scan Barcode or enter details as shown above.
- Selected field to be filled-in will be highlighted in green (as shown above).
- YES: will do inquiry based on Account Number that has been keyed-in & proceed to next screen.
- BACK: cancel payment and back to SELECT TRANSACTION screen.
- Telephone No. field is a mandatory field.





Screen Description:

- ADD BILL OR PAY NOW – CASH / CARD / CHEQUE pop up screen.
- Successful inquiry to the database will display the Account Information on the left frame of the screen.
- OPTION: add more payment by selecting ADD BILL (e.g ASSESSMENT TAX or COMPOUND or etc.).
- PAY NOW: proceed to Insert Cash / Card / Cheque screen.



PRESS 'X' TO REMOVE SELECTION

ASSESSMENT TAX 1234567890 – RM260.00
ALI BIN ABU
NO. 2, JALAN PENANG

X

RM260.00
PAY NOW

PAYMENT - CARD

ADD BILL

CARD
VISA, MASTER, AMEX &
MYDEBIT

ASSESSMENT TAX

COMPOUND

- Maximum 5 Bills Per Transaction
- Payment limit for credit card payment is RM1,500 per transaction.
- Payment limit for debit card payment is subject to limit set by

CANCEL

Powered by INTERDEALS 12.04.2017 09:50AM

PRESS 'X' TO REMOVE SELECTION

ASSESSMENT TAX 1234567890 – RM260.00
ALI BIN ABU
NO. 2, JALAN PINANG

X

RM260.00
PAY NOW

PAYMENT - CHEQUE

ADD BILL

CHEQUE
LOCAL BANK CHEQUES

ASSESSMENT TAX

- One cheque for multiple Bill – Maximum 5 Bills
- Please write depositor's name and amount for each Bill at the back of the cheque


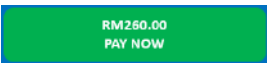
Cheque Clearance Period :

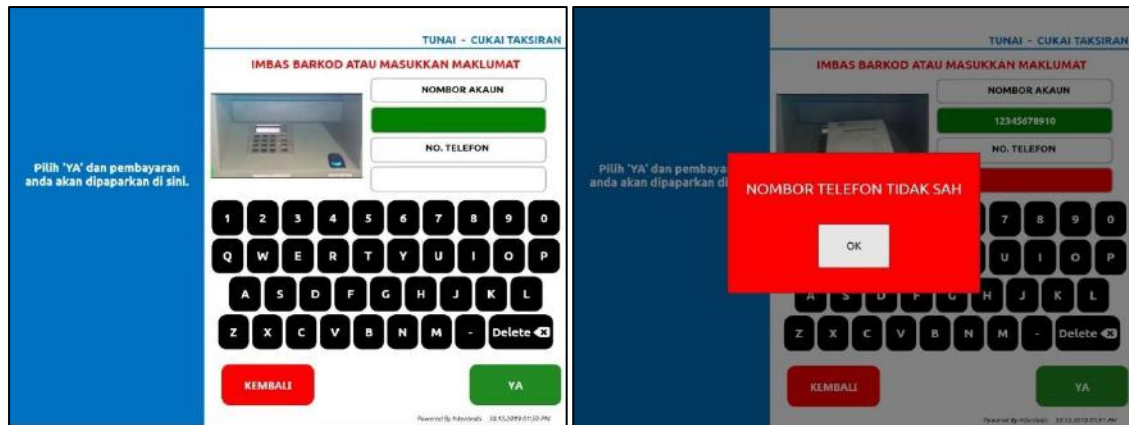
- Local: 3 – 4 working days
- Non-Local: 4 – 8 working days

CANCEL

Powered by INTERDEALS 12.04.2017 09:50AM

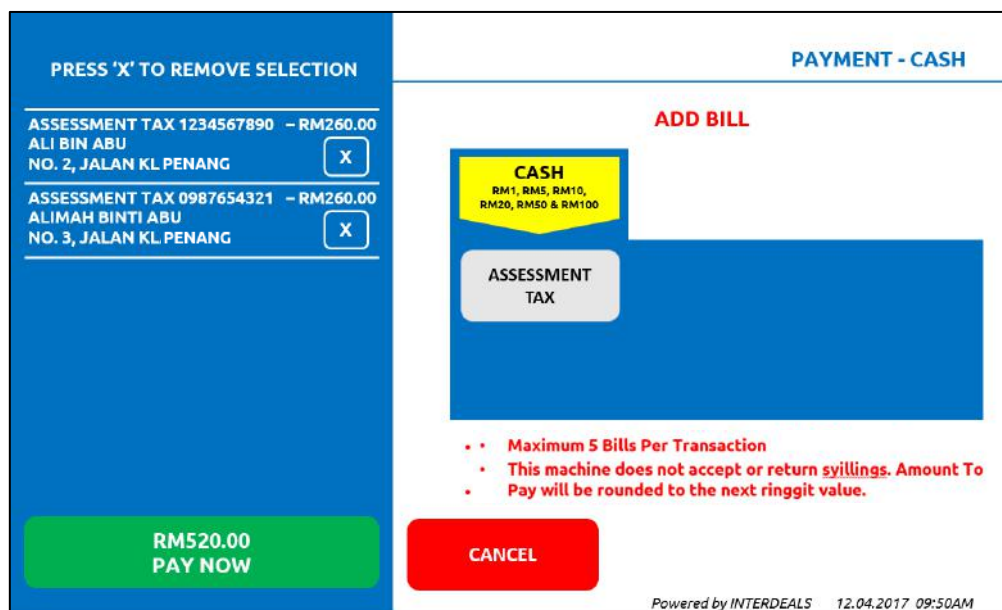
Screen Description:

- PAYMENT – CASH / CARD / CHEQUE screen.
- Successful inquiry to the database will display the Account Information on the left frame of the screen.
- OPTION: add more payment by selecting a Bill (e.g ASSESSMENT TAX or COMPOUND or etc.).
-  : delete selected payment
-  : proceed to Insert Cash / Card / Cheque screen.
- CANCEL: cancel all payment and back to Advertisement Screen.



Screen Description:

- ADD BILL – TAX ASSESSMENT input screen.
- Scan Barcode or enter details as shown above.
- Selected field to be fill in will be highlighted in green (as shown above).
- The cursor will automatically jump from Account Number field to Telephone No. field after filling in the correct account number has been filled in.
- YES: will do inquiry based on Account No. that has been keyed in & proceed to next screen.
- BACK: cancel payment and back to previous screen.
- Telephone No. field is a mandatory field.



PRESS 'X' TO REMOVE SELECTION

ASSESSMENT TAX 1234567890 – RM260.00
ALI BIN ABU
NO. 2, JALAN KL PENANG X

ASSESSMENT TAX 0987654321 – RM260.00
ALIMAH BINTI ABU
NO. 3, JALAN KL PENANG X

**RM520.00
PAY NOW**

PAYMENT - CARD

ADD BILL

CARD
VISA, MASTER, AMEX & MYDEBIT

ASSESSMENT TAX

- Maximum 5 Bills Per Transaction
- Payment limit for credit card payment is RM1,500 per transaction.
- Payment limit for debit card payment is subject to limit set by

CANCEL

Powered by INTERDEALS 12.04.2017 09:50AM

PRESS 'X' TO REMOVE SELECTION

ASSESSMENT TAX 1234567890 – RM260.00
ALI BIN ABU
NO. 2, JALAN KL PENANG X

ASSESSMENT TAX 0987654321 – RM260.00
ALIMAH BINTI ABU
NO. 3, JALAN KL PENANG X

**RM520.00
PAY NOW**

PAYMENT - CHEQUE

ADD BILL

CASH
RM1, RM5, RM10,
RM20, RM50 & RM100

CARD
VISA, MASTER, AMEX & MYDEBIT

CHEQUE
LOCAL BANK CHEQUES

ASSESSMENT TAX

- One cheque for multiple Bill - Maximum 5 Bills

* Please write depositor's name and amount for each Bill at the back of the cheque

Cheque Clearance Period :
 - Local: 3 – 4 working days
 - Non-Local: 4 – 8 working days

CANCEL

Powered by INTERDEALS 12.04.2017 09:50AM

Screen Description:

- MULTIPLE PAYMENT – CASH / CARD / CHEQUE screen.
- Successful inquiry to the database will display the ASSESSMENT TAX Information on the left frame of the screen.
- OPTION: add more payment by selecting a Bil (e.g ASSESSMENT TAX or COMPOUND or etc.).
- X : delete selected payment
- RM275.00
PAY NOW : proceed to Insert Cash / Card / Cheque screen.
- CANCEL: cancel all payment and back to ADVERTISEMENT Screen.

4.4 DATA ENTRY : ERROR / MESSAGE PROMPT

The screenshot shows the 'PAYMENT - CASH' screen. On the left, there is a list of bills with 'X' buttons to remove them. The bills are:

- ASSESSMENT TAX 1234567890 — RM260.00
ALI BIN ABU
NO. 2, JALAN PENANG
- ASSESSMENT TAX 0987654321
ALIMAH BINTI ABU
NO. 3, JALAN PENANG
- ASSESSMENT TAX 343434343
ADINDA BINTI ABU
NO. 4, JALAN PENANG
- ASSESSMENT TAX 764564454
AMIRAN BINTI ABU
NO. 5, JALAN PENANG
- ASSESSMENT TAX 888443737
AHMAD BINTI ABU
NO. 6, JALAN PENANG

A red modal box in the center displays the message: "MAXIMUM OF 5 BILLS REACHED." with an "OK" button. Below the list, there is a green button labeled "RM1300.00 PAY NOW" and a pink button labeled "CANCEL". At the bottom right, it says "Powered by INTERDEALS 12.04.2017 09:50AM".

Screen Description:

- MAXIMUM OF 5 BILLS REACHED.
- Customer to either PAY NOW or delete one of the payment to add another new payment.
- OK: back to current screen.

The screenshot shows the 'CASH - ASSESSMENT TAX' screen. At the top, it says "SCAN BARCODE OR ENTER DETAILS". Below this, there is a field for "ACCOUNT NUMBER" with the value "1234567890". A red modal box in the center displays the message: "NO INPUT WAS SELECTED. DO YOU WISH TO CONTINUE?" with "YES" and "NO" buttons. At the bottom, there is a red button labeled "BACK" and a green button labeled "YES". On the right, there is a barcode with the number "65800". At the bottom right, it says "Powered by INTERDEALS 12.04.2017 09:50AM".

Screen Description:

- Time out screen. Appear when there is no activity (idle) after the predefined time (15 seconds).
- YES: back to current screen.
- NO: back to ADVERTISEMENT Screen.

The screenshot shows the 'CASH - ASSESSMENT TAX' screen. On the left, a blue sidebar contains the text 'Select 'YES' and payment will appear'. The main area has a header 'SCAN BARCODE OR ENTER DETAILS'. Below this, there are two input fields: 'ACCOUNT NUMBER' with the value '1234567890' and 'Sa'. A red error message box is overlaid in the center, stating 'ACCOUNT NO. INVALID OR DOES NOT EXIST' with an 'OK' button. At the bottom, there are 'BACK' and 'YES' buttons. A barcode is visible on the right side. The footer text reads 'Powered by INTERDEALS 12.04.2017 09:50AM'.

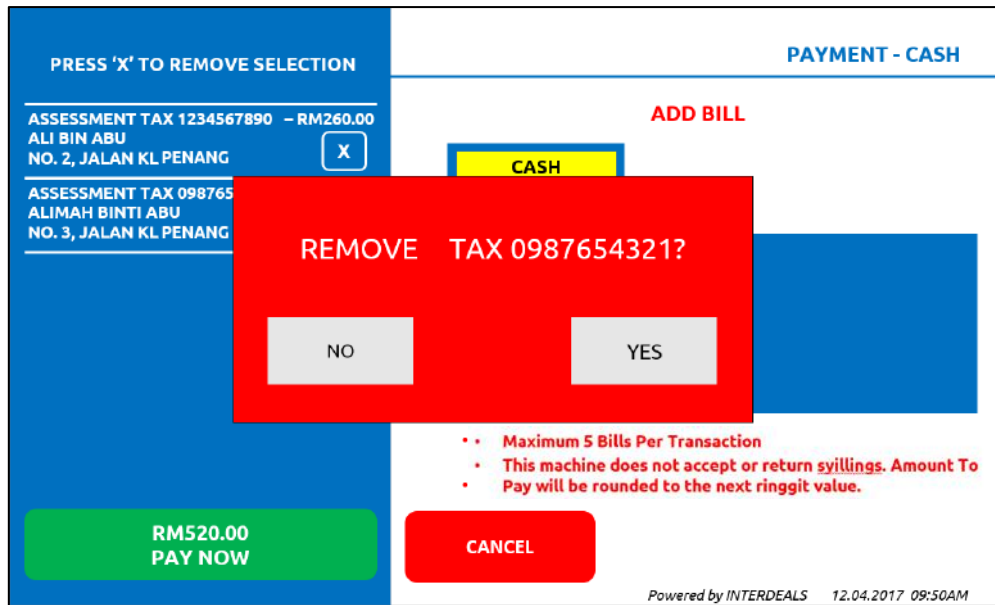
Screen Description:

- Checking on Account No field.
- Customer to change the account number at Account No. field (highlighted in red).
- OK: back to current screen.


The screenshot shows the 'CHEQUE - ASSESSMENT TAX' screen. On the left, a blue sidebar contains the text 'Select 'YES' and payment will appear'. The main area has a header 'SCAN BARCODE OR ENTER DETAILS'. Below this, there are two input fields: 'ACCOUNT NUMBER' with the value '88889999' and 'CHEQUE AMOUNT' with the value 'RM1,800.00'. A red error message box is overlaid in the center, stating 'INVALID AMOUNT' with an 'OK' button. At the bottom, there are 'BACK' and 'YES' buttons. A barcode is visible on the right side. The footer text reads 'Powered by INTERDEALS 12.04.2017 09:50AM'.

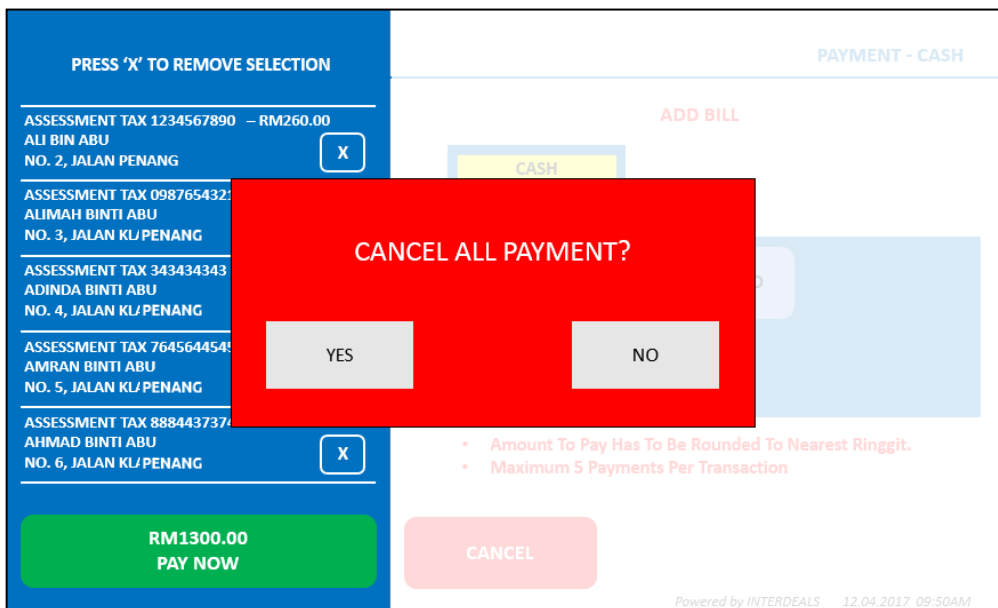
Screen Description:

- Checking on Amount field. (e.g. RM0.00)
- OK: back to current screen.



Screen Description:

- Cancel Single Payment screen. Appear when customer press the  button.
- YES: delete bill from Payment List and back to current screen.
- NO: no changes and back to current screen.



Screen Description:

- Cancel Transaction screen. Appear when customer press the CANCEL button.
- YES: clear all payment and back to Advertisement Screen.
- NO: back to current screen.

PRESS 'X' TO REMOVE SELECTION

ASSESSMENT TAX 1234567890 – RM260.00
ALI BIN ABU
NO. 2, JALAN KL PENANG X

ASSESSMENT TAX 0987654321 – RM260.00
ALJMAH BINTI ABU
NO. 3, JALAN KL PENANG X

**RM520.00
PAY NOW**

PAYMENT - CASH

ADD BILL

Total Payable Amount will be rounded to the next ringgit value.
Any excess payment will be credited into the last Bill.

Example : RM10.01 to RM10.99 = RM11.00

OK

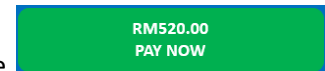
- Maximum 5 Bills Per Transaction
- This machine does not accept or return syillings. Amount To Pay will be rounded to the next ringgit value.

CANCEL

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Screen Description:

- Pay Now disclaimer screen. This appear after Customer press the button in the PAYMENT – CASH screen.
- OK: press OK to proceed to insert cash screen.



4.5 CASH PAYMENT SCREEN

This screen describes the FPS 8000 cash payment screen flow.

SELECTED PAYMENT

ASSESSMENT TAX 1234567890 – RM260.00
ALI BIN ABU
NO. 2, JALAN KL PENANG

ASSESSMENT TAX 0987654321 – RM260.00
ALIMAH BINTI ABU
NO. 3, JALAN KL PENANG


**RM520.00
TOTAL**

PAYMENT

INSERT CASH
Please ensure sufficient payment is made.
Maximum 20 pieces of cash is allowed per transaction.

15

Select 'CANCEL' to
end payment.



WE ACCEPT

RM100	X	4 =	RM400.00
RM50	X	0 =	RM0.00
RM20	X	0 =	RM0.00
RM10	X	0 =	RM0.00
RM5	X	0 =	RM0.00
RM1	X	0 =	RM0.00
AMOUNT INSERTED			RM400.00

CANCEL

**RM120.00
AMOUNT DUE**

Powered by INTERDEALS 12.04.2017 09:50AM

Screen Description:

- Payment screen. This appear during when Customer are inserting cash.
- Amount inserted will be reflected on the screen together with the Amount Due.
- Denomination that is allowed will be shown on the screen based on Amount Inserted ≤ Amount Due ≤ 20 pcs banknotes (Change allowed).
- The following 3 screens shows this.
- CANCEL: clear all payments and back to Advertisement Screen.

SELECTED PAYMENT

ASSESSMENT TAX 1234567890 – RM260.00
ALI BIN ABU
NO. 2, JALAN KL PENANG

ASSESSMENT TAX 0987654321 – RM260.00
ALIMAH BINTI ABU
NO. 3, JALAN KL PENANG

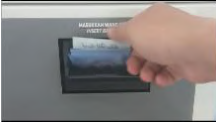
**RM520.00
TOTAL**

PAYMENT

INSERT CASH
Please ensure sufficient payment is made.
Maximum 20 pieces of cash is allowed per transaction.

15

Select 'ACCEPT' to
end payment.




WE ACCEPT


RM100	X	4 =	RM400.00
RM50	X	1 =	RM50.00
RM20	X	1 =	RM20.00
RM10	X	1 =	RM10.00
RM5	X	1 =	RM5.00
RM1	X	0 =	RM0.00
AMOUNT INSERTED			RM485.00

CANCEL

**RM35.00
AMOUNT DUE**

Powered by INTERDEALS 12.04.2017 09:50AM

SELECTED PAYMENT	PAYMENT																								
<p>ASSESSMENT TAX 1234567890 – RM260.00 ALI BIN ABU NO. 2, JALAN KL PENANG</p> <p>ASSESSMENT TAX 0987654321 – RM260.00 ALIMAH BINTI ABU NO. 3, JALAN KL PENANG</p>	<p>INSERT CASH Please ensure sufficient payment is made. Maximum 20 pieces of cash is allowed per transaction.</p> <p>15</p> <p>Select 'ACCEPT' to end payment.</p>  <p>WE ACCEPT</p> <table border="1"> <tr> <td>RM100</td> <td>X</td> <td>4 =</td> <td>RM400.00</td> </tr> <tr> <td>RM50</td> <td>X</td> <td>1 =</td> <td>RM50.00</td> </tr> <tr> <td>RM20</td> <td>X</td> <td>2 =</td> <td>RM40.00</td> </tr> <tr> <td>RM10</td> <td>X</td> <td>1 =</td> <td>RM10.00</td> </tr> <tr> <td>RM5</td> <td>X</td> <td>1 =</td> <td>RM5.00</td> </tr> <tr> <td>RM1</td> <td>X</td> <td>0 =</td> <td>RM0.00</td> </tr> </table> <p>AMOUNT INSERTED RM505.00</p> <p>RM520.00 TOTAL</p> <p>CANCEL RM15.00 AMOUNT DUE</p> <p><small>Powered by INTERDEALS 12.04.2017 09:50AM</small></p>	RM100	X	4 =	RM400.00	RM50	X	1 =	RM50.00	RM20	X	2 =	RM40.00	RM10	X	1 =	RM10.00	RM5	X	1 =	RM5.00	RM1	X	0 =	RM0.00
RM100	X	4 =	RM400.00																						
RM50	X	1 =	RM50.00																						
RM20	X	2 =	RM40.00																						
RM10	X	1 =	RM10.00																						
RM5	X	1 =	RM5.00																						
RM1	X	0 =	RM0.00																						

SELECTED PAYMENT	PAYMENT																								
<p>ASSESSMENT TAX 1234567890 – RM260.00 ALI BIN ABU NO. 2, JALAN KL PENANG</p> <p>ASSESSMENT TAX 0987654321 – RM260.00 ALIMAH BINTI ABU NO. 3, JALAN KL PENANG</p>	<p>INSERT CASH Please ensure sufficient payment is made. Maximum 20 pieces of cash is allowed per transaction.</p> <p>15</p> <p>Select 'ACCEPT' to end payment.</p>  <p>WE ACCEPT</p> <table border="1"> <tr> <td>RM100</td> <td>X</td> <td>4 =</td> <td>RM400.00</td> </tr> <tr> <td>RM50</td> <td>X</td> <td>1 =</td> <td>RM50.00</td> </tr> <tr> <td>RM20</td> <td>X</td> <td>2 =</td> <td>RM40.00</td> </tr> <tr> <td>RM10</td> <td>X</td> <td>2 =</td> <td>RM20.00</td> </tr> <tr> <td>RM5</td> <td>X</td> <td>1 =</td> <td>RM5.00</td> </tr> <tr> <td>RM1</td> <td>X</td> <td>0 =</td> <td>RM0.00</td> </tr> </table> <p>AMOUNT INSERTED RM515.00</p> <p>RM520.00 TOTAL</p> <p>CANCEL RM5.00 AMOUNT DUE</p> <p><small>Powered by INTERDEALS 12.04.2017 09:50AM</small></p>	RM100	X	4 =	RM400.00	RM50	X	1 =	RM50.00	RM20	X	2 =	RM40.00	RM10	X	2 =	RM20.00	RM5	X	1 =	RM5.00	RM1	X	0 =	RM0.00
RM100	X	4 =	RM400.00																						
RM50	X	1 =	RM50.00																						
RM20	X	2 =	RM40.00																						
RM10	X	2 =	RM20.00																						
RM5	X	1 =	RM5.00																						
RM1	X	0 =	RM0.00																						

Screen Description:

- Payment inserted screen.
- To proceed, user will need to insert sufficient payment, either equal or more than Amount Due.
- Upon receiving sufficient payment, the application will auto process the payment and go to Processing Screen.
- CANCEL: clear all payments and back to Advertisement Screen.

4.6 PAYMENT : ERROR / MESSAGE PROMPTS

The screenshot displays the FPS 8000 payment interface. On the left, under 'SELECTED PAYMENT', two assessment tax items are listed: 'ASSESSMENT TAX 1234567890 - RM260.00 ALI BIN ABU NO. 2, JALAN KL PENANG' and 'ASSESSMENT TAX 098765 ALIMAH BINTI ABU NO. 3, JALAN KL PENANG'. A blue button at the bottom left shows 'RM520.00 TOTAL'. On the right, under 'PAYMENT', a red 'INSERT CASH' prompt is visible. Below it, a table lists accepted denominations: RM400.00, RM50.00, RM40.00, RM20.00, RM5.00, and RM0.00. A red modal box in the center asks 'NO INPUT WAS SELECTED. DO YOU WISH TO CONTINUE?' with 'NO' and 'YES' buttons. At the bottom right, a 'CANCEL' button and an 'RM5.00 AMOUNT DUE' button are shown. The footer indicates 'Powered by INTERDEALS 12.04.2017 09:50AM'.

Screen Description:

- Time out screen. Appear when there is no activity (idle) after the predefined time (30 seconds).
- YES: back to current screen.
- NO: back to ADVERTISEMENT Screen.

This screenshot is identical to the previous one, showing the FPS 8000 payment interface with the 'NO INPUT WAS SELECTED' error prompt. The layout, including the 'SELECTED PAYMENT' list, 'PAYMENT' section with denominations, and the 'CANCEL'/'AMOUNT DUE' buttons, remains the same. The red modal box still asks 'NO INPUT WAS SELECTED. DO YOU WISH TO CONTINUE?'.

Screen Description:

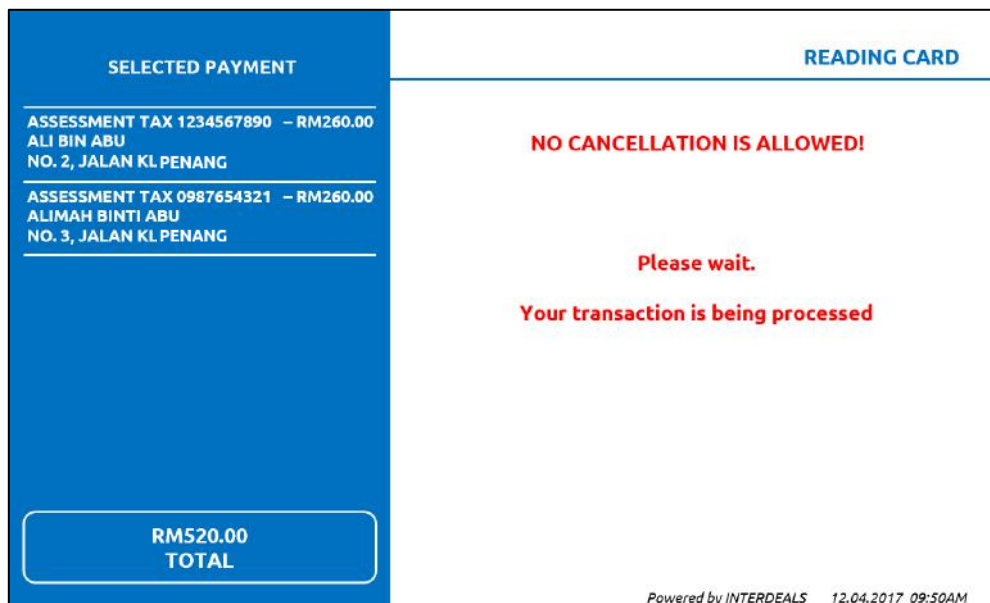
- Cancel Transaction screen. Appear when customer press the CANCEL button.
- YES: clear all payment and back to Advertisement Screen.
- NO: back to current screen.

4.7 CARD PAYMENT SCREEN



Screen Description:

- PROCEED WITH PAYMENT screen. Appear when customer press the ACCEPT button.
- Insert credit / debit card to proceed.



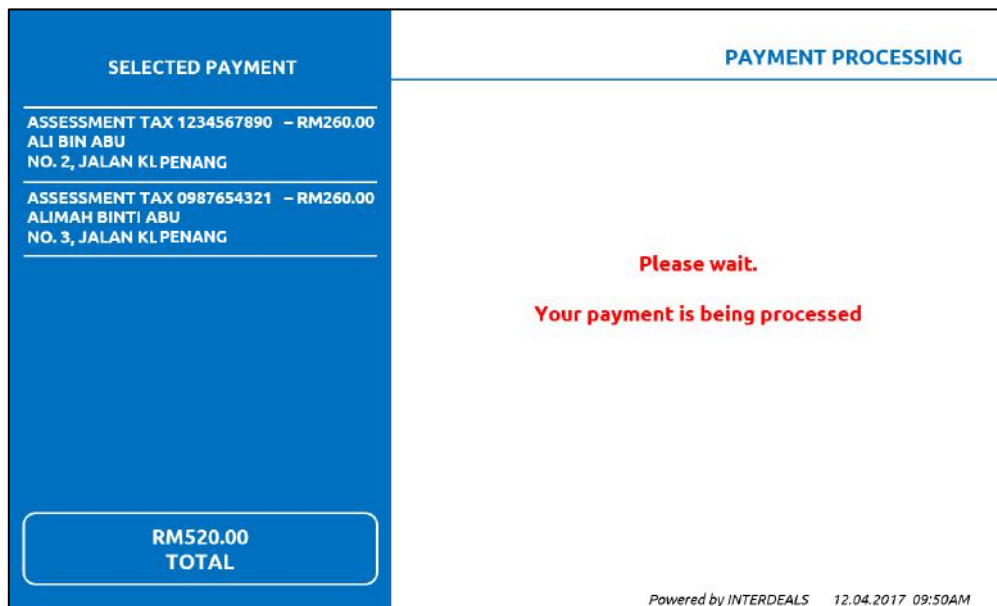
Screen Description:

- processing screen. Appear when customer has insert their credit / debit card.
- wait while credit / debit card is being read.



Screen Description:

- Enter 6-digit PIN screen. Appear after the credit / debit card has been successfully read.
- Enter credit / debit card 6-digit PIN and press Enter on credit / debit card device pin pad.



Screen Description:

- Processing payment screen. Appear after customer enter their credit / debit card 6-digit PIN successfully.
- Please wait.



Screen Description:

- Payment success screen. Appear after payment is a success.
- Please remove credit / debit card.

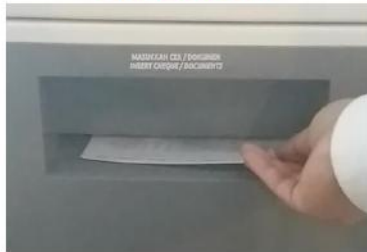
4.8 CARD PAYMENT ERROR SCREEN

SELECTED PAYMENT	PAYMENT FAILED
ASSESSMENT TAX 1234567890 – RM260.00 ALI BIN ABU NO. 2, JALAN KL PENANG	EL-EXCEED TRANSACTION LIMIT
ASSESSMENT TAX 0987654321 – RM260.00 ALIMAH BINTI ABU NO. 3, JALAN KL PENANG	Please remove credit/debit card. Please re-insert your card properly OR insert your other card.
RM520.00 TOTAL	
	<small>Powered by INTERDEALS 12.04.2017 09:50AM</small>

Screen Description:

- Payment Fail screen. Appear when there is a problem reading the credit / debit card OR authenticating the credit / debit card OR etc.
- Remove credit / debit card and either re-insert same card properly or insert another card.


4.9 CHEQUE PAYMENT SCREEN

SELECTED PAYMENT	PROCEED WITH PAYMENT
<p>ASSESSMENT TAX 1234567890 – RM260.00 ALI BIN ABU NO. 2, JALAN KLAN PENANG</p> <p>ASSESSMENT TAX 0987654321 – RM260.00 ALIMAH BINTI ABU NO. 3, JALAN KLAN PENANG</p>	<p>All cheques are payable to 'MAJLIS BANDARAYA NAME'</p> <p>Please ensure to write depositor's name, account number & contact number.</p> 
<p>RM520.00 TOTAL</p>	<p>CANCEL</p> <p>15</p> <p>Powered by INTERDEALS 12.04.2017 09:50AM</p>

Screen Description:

- PROCEED WITH PAYMENT screen. Appear when customer press the ACCEPT button.
- Insert cheque to proceed.
- CANCEL: back to previous screen.

4.10 CHEQUE PAYMENT ERROR / MESSAGE SCREEN

SELECTED PAYMENT	PROCEED WITH PAYMENT
<p>ASSESSMENT TAX 1234567890 – RM260.00 ALI BIN ABU NO. 2, JALAN PINANG</p> <p>ASSESSMENT TAX 1234567890 – RM260.00 ALIMAH BIN ABU NO. 3, JALAN PINANG</p>	<p>All cheques are payable to 'MAJLIS BANDARAYA NAME'</p> <p>Please ensure to write depositor's name, account number & contact number.</p> <p>INSERT CHEQUE</p> 
<p>RM520.00 TOTAL</p>	<p>CANCEL</p> <p>15</p> <p>Powered by INTERDEALS 12.04.2017 09:50AM</p>

CANCEL ALL PAYMENT?

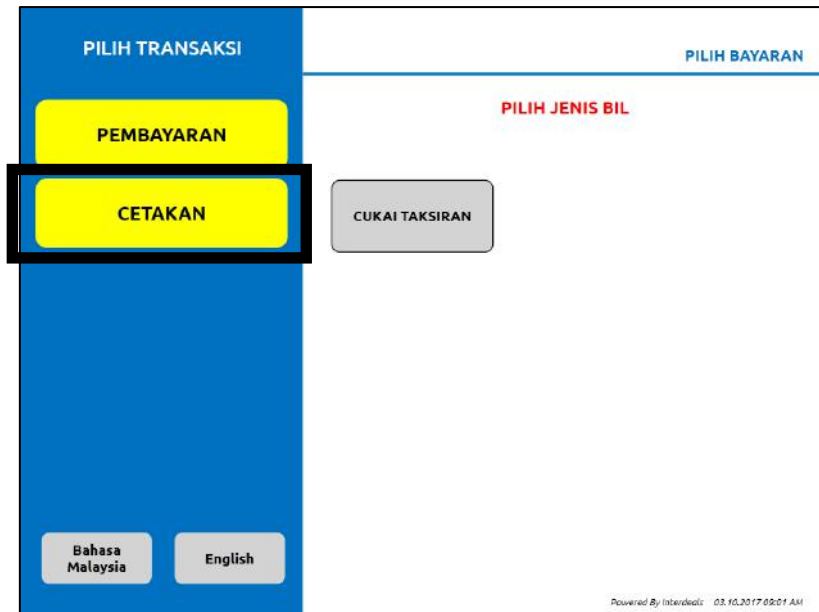
NO

YES

Screen Description:

- Cancel Transaction screen. Appear when customer press the CANCEL button.
- YES: clear all payment and back to Advertisement Screen.
- NO: back to current screen.

4.11 ASSESSMENT TAX PRINTING SCREEN



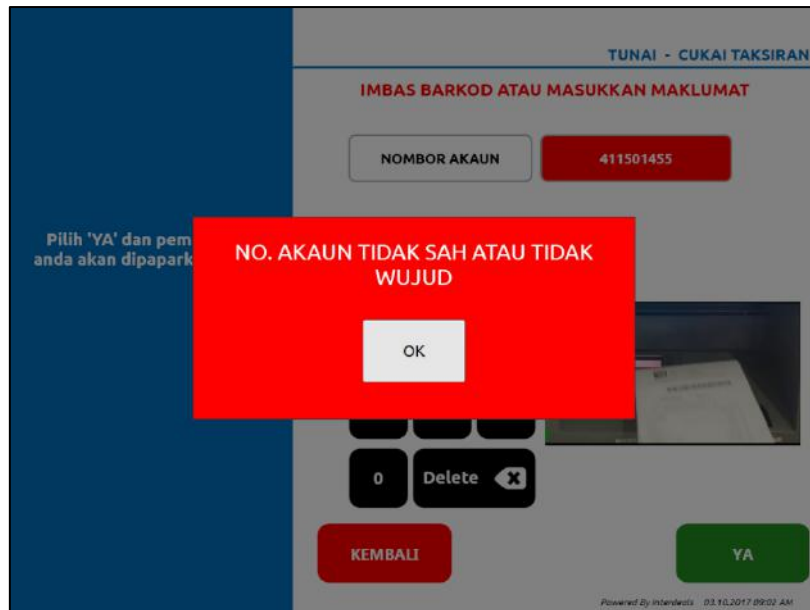
Screen Description:

- Printing screen. Appear when customer press the PRINTING button.
- To continue, press ASSESSMENT TAX.
- You may change the language by selecting Bahasa Malaysia or English.



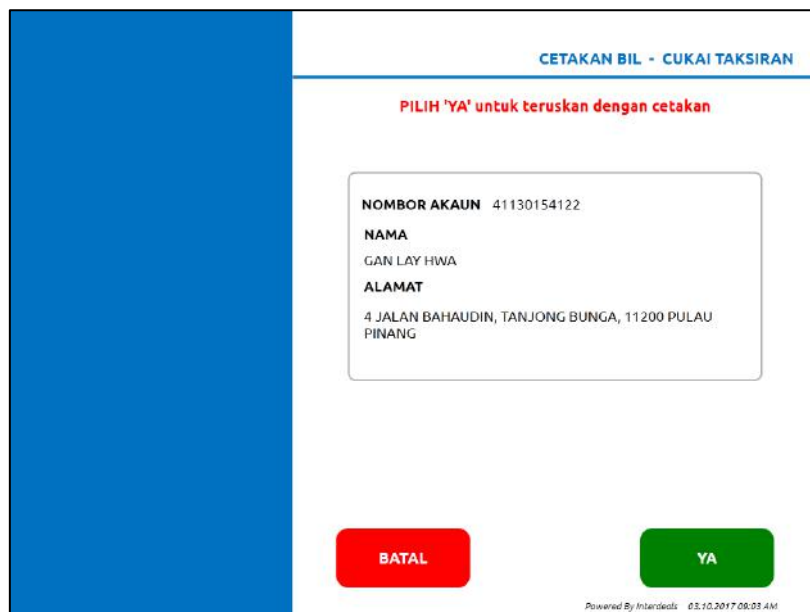
Screen Description:

- ASSESSMENT TAX PRINTING input screen.
- Scan Barcode or enter details as shown above.
- YES: will do inquiry based on Account No. that has been keyed in & proceed to next screen.
- BACK: cancel printing and back to advertisement screen.



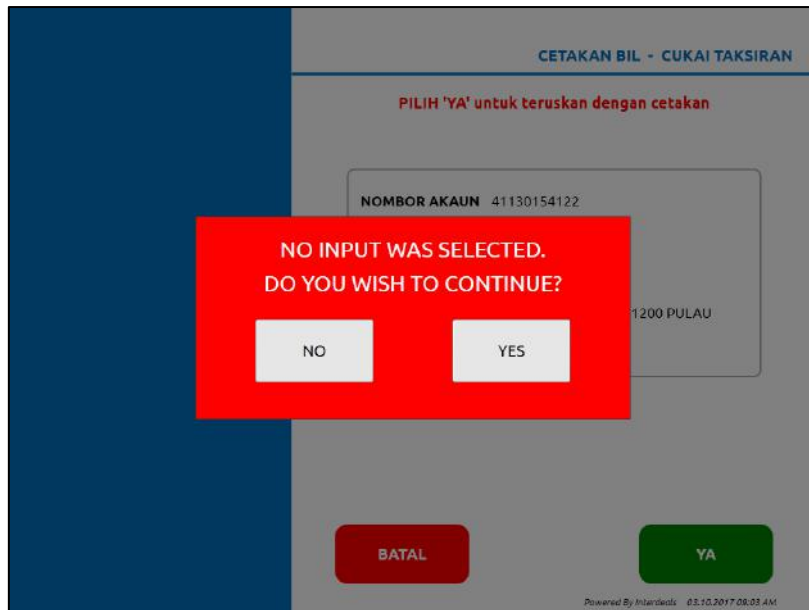
Screen Description:

- WRONG ACCOUNT NUMBER screen.
- OK: to continue and return to previous screen



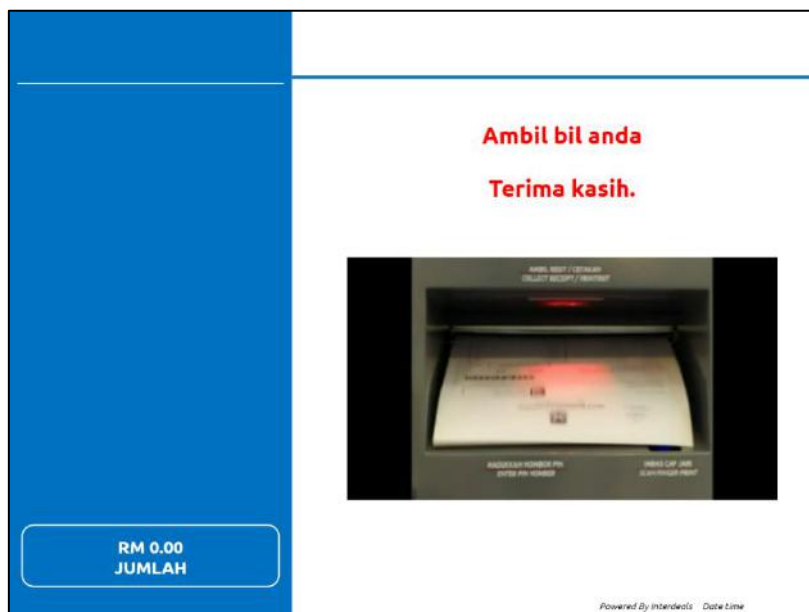
Screen Description:

- ASSESSMENT TAX CONFIRMATION screen.
- User to confirm information displayed.
- YES: to proceed to print ASSESSMENT TAX.
- BACK: cancel printing and back to advertisement screen.



Screen Description:

- TIME OUT screen.
- YES: go back to previous screen
- BACK: cancel printing and back to advertisement screen.



Screen Description:

- Collection of ASSESSMENT TAX printing screen.
- Customer to collect the bill printed by FPS 8000.
- End of transaction.


4.11 PROCESSING SCREEN

PAYMENT SUMMARY	PROCESSING
<p>ASSESSMENT TAX 1234567890 – RM260.00 ALI BIN ABU NO. 2, JALAN KL/PENANG</p> <p>ASSESSMENT TAX 0987654321 – RM260.00 ALIMAH BINTI ABU NO. 3, JALAN KL/PENANG</p>	<p>Please wait.</p> <p>Your transaction is being processed</p>
<p>RM520.00 TOTAL</p>	<p>Powered by INTERDEALS 12.04.2017 09:50AM</p>

Screen Description:

- Processing screen.
- Update account details to server.
- The following 2 screen shows 2 different type of scenarios for payment confirmation.

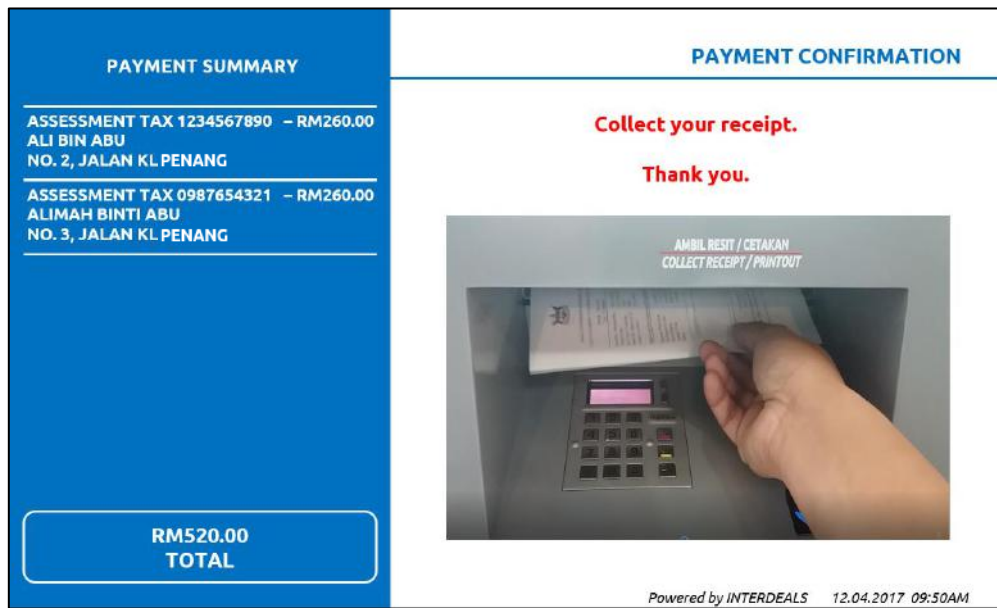
4.12 COLLECT YOUR MONEY SCREEN

	PAYMENT CONFIRMATION
	<p>Collect your money.</p> 
	<p>Powered by INTERDEALS 12.04.2017 09:50AM</p>

Screen Description:

- Collection of change or rejected money screen (Cash only). Maximum of 20 pcs banknotes refund is allowed.
- The above example (Cash Payment Screen) will give the customer a balance of RM5.00.
- Customer to collect the change dispensed by FPS 8000.

4.13 RECEIPT SCREEN

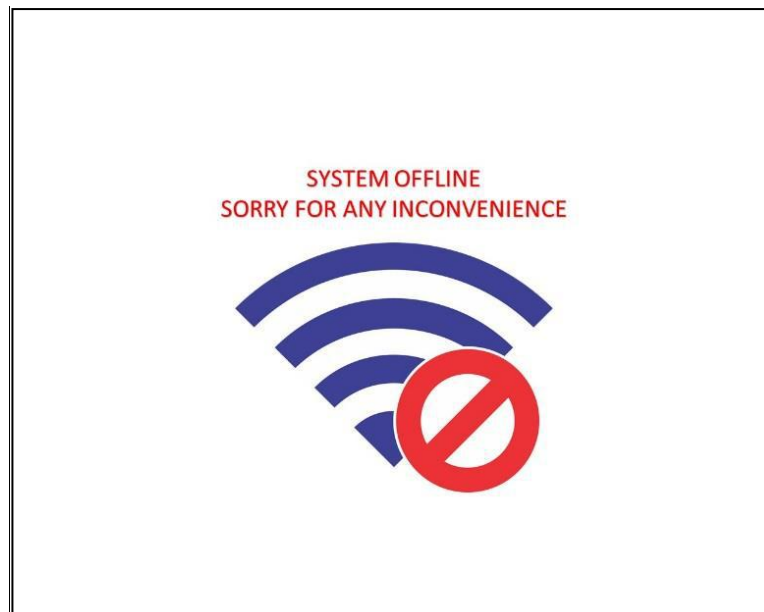


Screen Description:

- Collection of Receipt screen.
- Customer to collect the receipt printed by FPS 8000.
- End of transaction.

4.14 ERROR SCREEN

This screen describes FPS 8000 Error screen.



Screen Description:

- SYSTEM OFFLINE screen. Network down.



Screen Description:

- SYSTEM OFFLINE screen. System error.

5. STANDARD OF PROCEDURE - RECONCILIATION

Introduction

This will act as a Standard Operating Procedure on what to do during reconciliation process.

Process Flow

