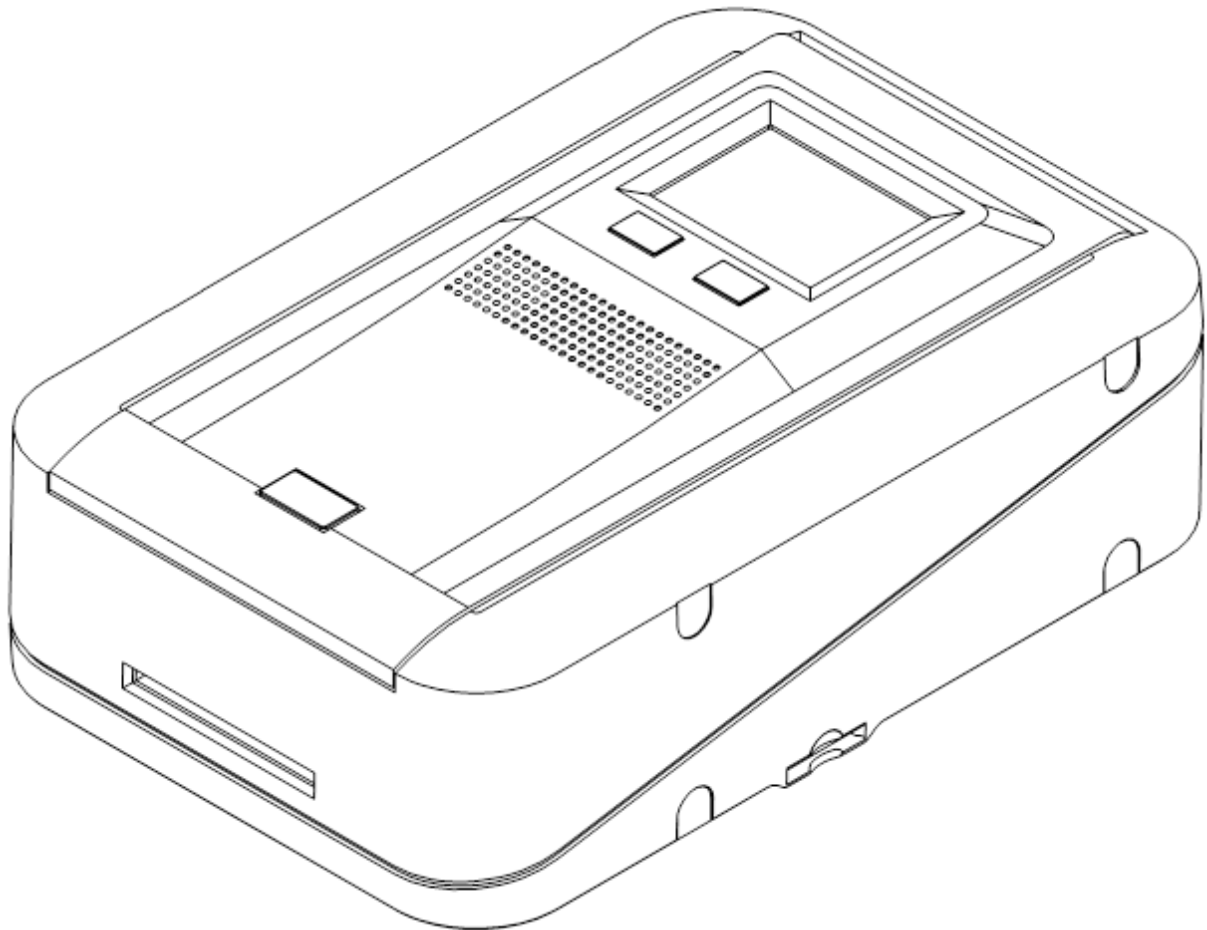


wisecard slim

Compact Versatile Card Printer

WiseDesigner

User Manual V1.2



wisecube

Contents

| | |
|---|-----------|
| 1. Introduction | 3 |
| 1.1 Start | 3 |
| 2. Main Window | 4 |
| 2.1 Window Menus | 4 |
| 2.2 File Menu | 4 |
| 2.3 Items..... | 5 |
| 2.4 Draw Canvas | 5 |
| 2.5 Layers | 6 |
| 2.6 Item properties | 6 |
| 3. Design Card..... | 10 |
| 3.1 Select card properties | 10 |
| 3.2 Item placement | 10 |
| 3.3 Text | 12 |
| 3.4 Fill background..... | 13 |
| 3.5 Fill image..... | 13 |
| 3.6 Border | 13 |
| 3.7 Barcodes | 14 |
| 3.8 Align item | 15 |
| 4. Print Card..... | 16 |
| 4.1 Link to database (Set print item) | 16 |
| 4.2 Database Connection | 18 |
| 4.3 Magnetic Card Encoding | 19 |



Introduction

1.1 Start

1.1.1 New Card

- Click New Card button in main menu

1.1.2 Design Card

- Select Item and place in card window.
- Set item property with property window
- Repeat with various type.

1.1.3 Assign field name and property

- Select item that needs database connection.
- Select field name and data type in database connection window.
- Repeat with another item that need database connection.

1.1.4 Edit Database

- Check connected item and preview image by click print tab.
- Click database menu to open internal database edit window.
- Click '+' and generate needed field.
- Enter field information after field generation.
- Click 'OK' button to finish database connection.
- Match item and datafield.

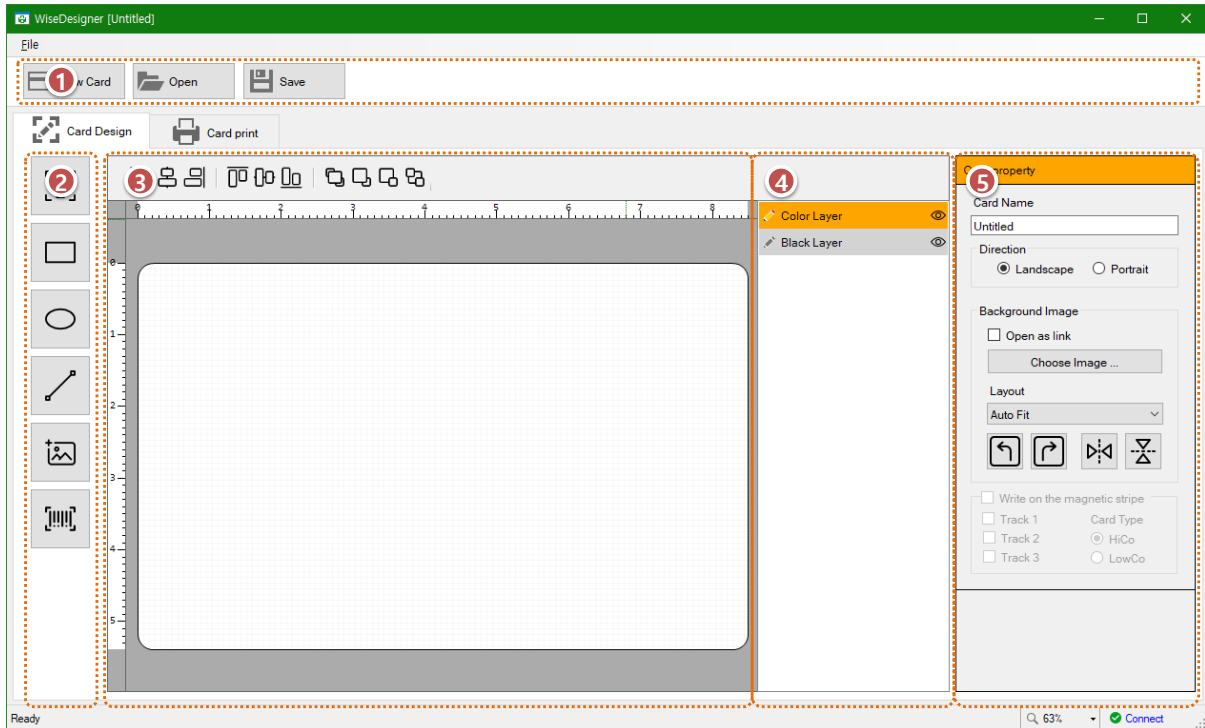
1.1.5 Card Print

- Insert card and click 'Print' button
- Remove card after finish print.

2

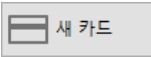
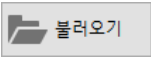
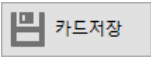
Main Window

2.1 Window Menus









- ① **Main Menu:** New, Save, Read card design files.
- ② **Draw Item:** Items can be selected in this window.
- ③ **Draw Canvas:** Canvas area for card design.
- ④ **Layers:** List separate by color and black. Items can be moved to another layer.
- ⑤ **Item property:** Assign property of each item.

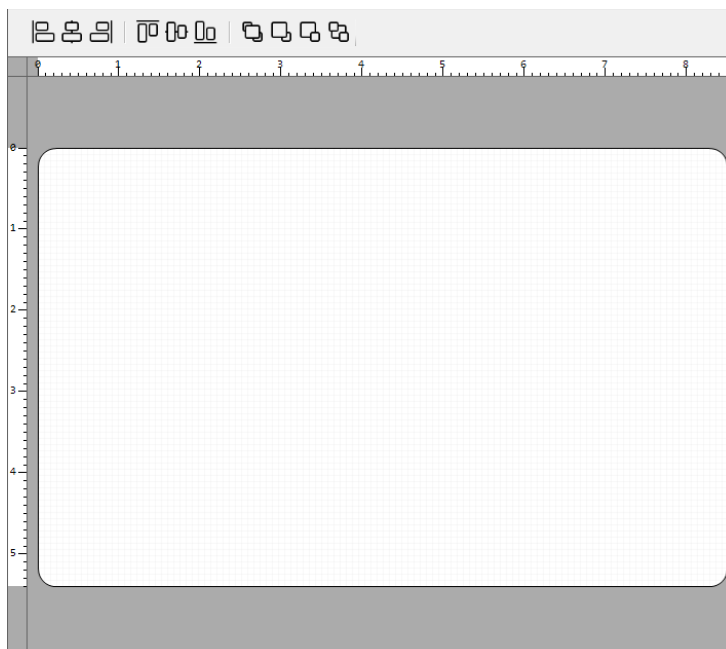
2.2 File Menu

| | | |
|---|------|--|
|  | 새 카드 | Start new card. Unsaved data will be discarded. |
|  | 블러오기 | Read saved design file. Extension for design file is wpx. |
|  | 카드저장 | Save card design. Save as another name can be done with 'File' menu |

2.3 Items

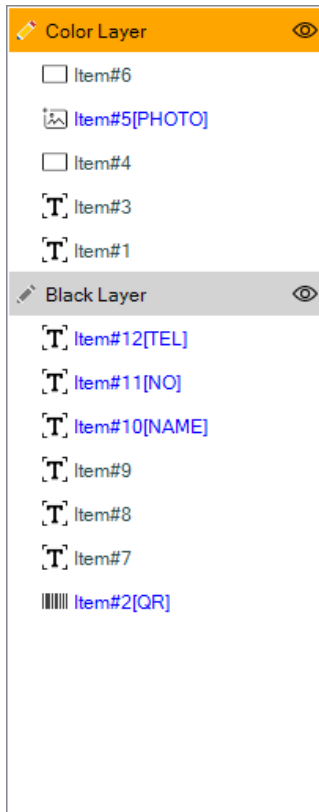
| | |
|---|---|
|  | Select text item. Start with a property that has no border and no background.. |
|  | Select box item. Start with border. |
|  | Select oval item. Draw circle or oval. |
|  | Select line item. Draw lines. |
|  | Select image item. Open image file and assign. |
|  | Select barcode item. It supports 1D, 2D barcodes. |


2.4 Draw Canvas



Select items with 'Ctrl+Click' then align with align button.
It can aligned left, center, right, upper, center and bottom.
And you can change item precedence foreground, background.

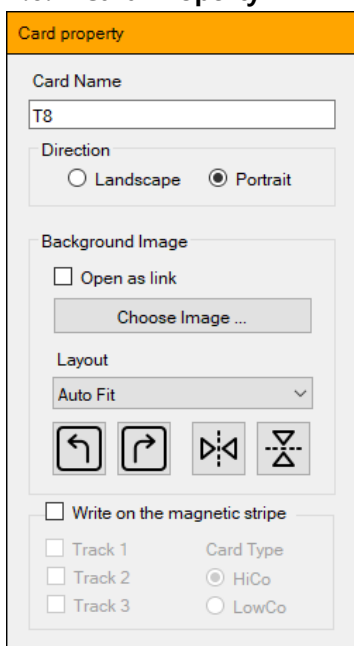
2.5 Layers



- Displays item list inserted in draw canvas.
- Each items are included in color layer or black layer.
- Work layer can be select by click layer name. Newly inserted itme will be included in selected layer..
- Layer can be change by drag item to another layer.
- Draw precedence is sorted by list position.
- Black layer will be allocated to top.
- Click  icon to show of hide layer.

2.6 Item properties

2.6.1 Card Property



Displayed when no items are selected.

Card Name

It is name for card.

It will be used in print history.

Direction

You can select portrait and landscape orientation.

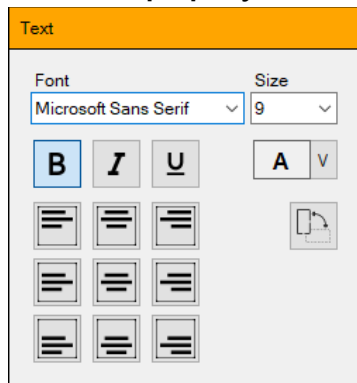
Background image

Select background of card design.

Use magnetic card

Used when magnetic card encoding.

2.6.2 Text property

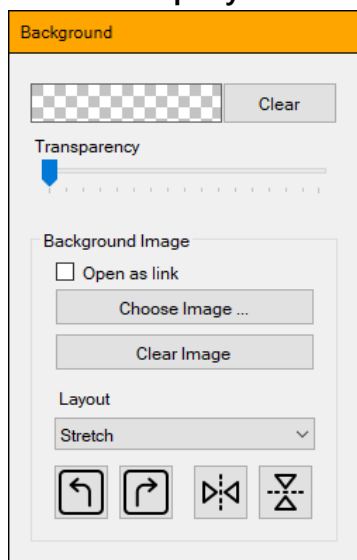


Font: Set font type and size.

| | |
|--|-------------------------|
| | Bold type |
| | Italic type |
| | Underline type |
| | Select text color |
| | Change text orientation |

Text Align : Align to 9 selection directions

2.6.3 Fill Property

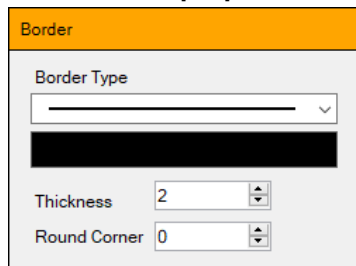


| | |
|-----------------|-----------------------------------|
| | Selects background color |
| | Removes background color. |
| Transparency | Sets the transparent value. |
| Choose Image... | Selects image file. |
| No Image | Remove selected image. |
| Layout | Select image layout |
| | Rotate to CCW or CW. |
| | Mirror horizontally or vertically |

Layout type

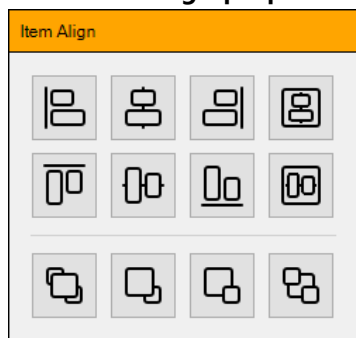
| | |
|--------------------|---|
| Original | Draw as original image. |
| Stretch to fill | Fits to the element size regardless of the aspect ratio of the original image |
| Fit to size | Maintains the aspect ratio of the image and draws according to the element size. |
| Cut to width | Cuts the upper and lower parts of the image based on the horizontal size of the element and the horizontal size of the image. |
| Cut to height | Cuts the left and right parts of the image based on the vertical size of the element and the vertical size of the image. |
| Croppedfor maximum | Select the optimal method: Crop to Width or Crop to Height. |

2.6.4 Border properties



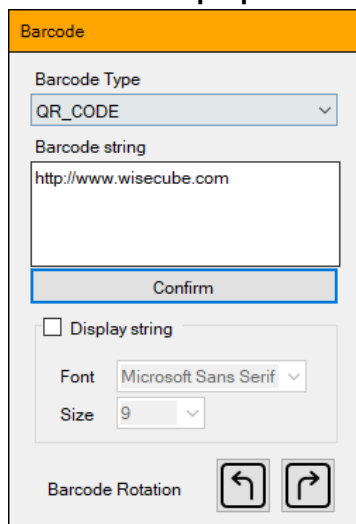
| | |
|----------------|--|
| Border type | Select a solid line, a dotted line, etc. |
| Line color | Choose the color of the line |
| Line thickness | Line thickness (in pixels) |
| Round Corner | Round Corner Radius Value |

2.6.5 Item align properties



| | |
|--|--|
| | Align horizontal |
| | Align vertical |
| | Align to center |
| | Move forward in item placement order |
| | Move backwards in item placement order |

2.6.6 Barcode properties



| | |
|------------------|---|
| Barcode type | Select barcode type |
| Barcode string | Data of barcode |
| Text Confirm | Click after text edit |
| Display string | Display text under barcode for 1D barcode. Font and size can be assigned. |
| Barcode Rotation | Designate the direction of the barcode by using the left/right rotation button. |

2.6.7 Database link property

| Database | |
|------------|--------------------------------------|
| Field Name | <input type="text" value="Barcode"/> |
| Data Type | <input type="text" value="String"/> |

| | |
|-----------------|--|
| Data field name | Distinguished name when connecting to database |
| Data type | Assign data type |
| Text | Tex data type(CHAR) |
| Image | Image file type (FILE) |
| Color | Connect element color (LONG) |
| View | Choose to show or hide elements (BOOL) |

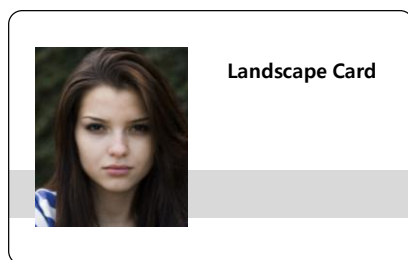
3

Design Card

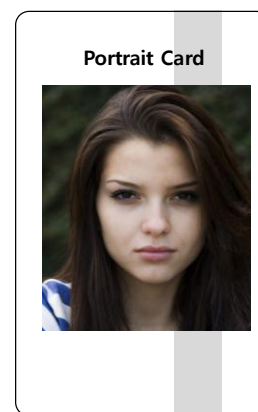
3.1 Select card properties

3.1.1 Select card orientation

Landscape type



Portrait type



- Horizontal type and vertical type basically affect the direction of the text string. Orientation can be change during edit.

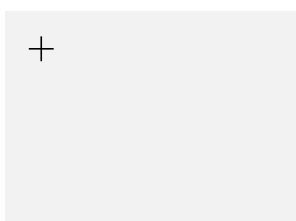
3.1.2 Background Image Settings

- An image that fits the print resolution is an image of 1032X640 (pixels)..
- Depending on the arrangement method, the image can be adjusted and placed.
- Background image cannot be linked with database.

3.2 Item placement

3.2.1 Add items

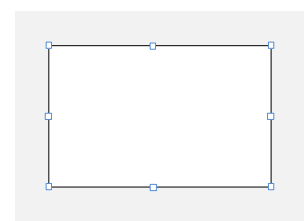
- Click the desired element among the items to select.
- Move the mouse to the canvas, hold down the left mouse button at the location where the element is to be placed, and then drag to specify the size and release the mouse button to complete the placement..



Click start positon

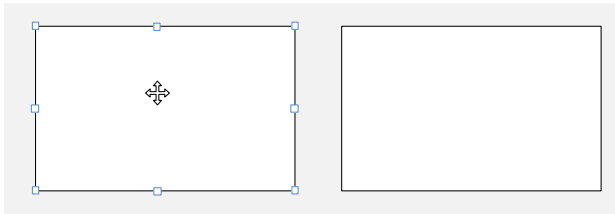


Drag to desired size

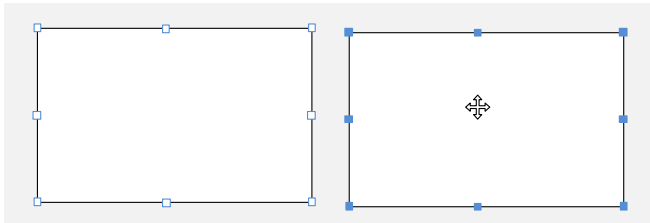


Finish when release button.

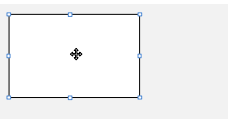
3.2.2 Select item



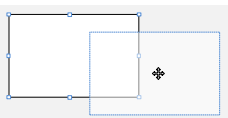
- Click inside an item to select the element.
- Selected elements are displayed with grips for resizing.
- Press and hold the control key to make multiple selections..



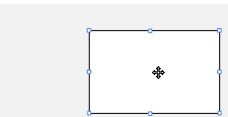
3.2.3 Move



- Select an item to move
- To move multiple items, hold down the Control key and select

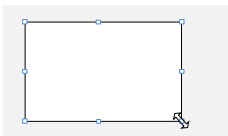


- While holding down the left mouse button, drag to the position to move



- Release the mouse button to complete the movement

3.2.4 Resize







- Move the mouse to the grips located at each vertex of the selected item
- Hold down the left button and drag to change the size
- Release the mouse to complete resizing

3.2.5 Delete, Cut, Copy, Paste

| | |
|-------------------|-----------|
| Delete | DELETE |
| Cut | CONTROL-X |
| Copy | CONTROL-C |
| Paste | CONTROL-V |
| Select All | CONTROL-A |
| Cancel | CONTROL-Z |

3.3 Text




3.3.1 Items that support string attributes

-  Text item
-  Box item
-  Oval item
-  Image item

- Character strings are not displayed for line and barcode items..

3.3.2 Select font


- Opens the list box to select the desired font.
- The font size is specified as a number including a decimal point..
- Click the button below to give the font characteristics.

-  Bold
-  Italic
-  Underline










3.3.3 Font Colors

-  You can select the text color by clicking the Font Color button. Default is black.

3.3.4 Font rotation

 Press the button to rotate the font. The direction of rotation is set by the horizontal card and vertical card.


3.3.5 Text align

| | | |
|---|---|--|
|  Left upper |  Center upper |  Right upper |
|  Left center |  Center center |  Right center |
|  Left bottom |  Center bottom |  Right bottom |

When linking data, font, color and alignment are maintained, and only text content is applied.

3.4 Fill background

3.4.1 Change background color

- The background color can be changed in the "Fill" property window..
-  Click and select desired color.

3.4.2 Remove background

- Click the "No Fill" checkbox to clear the specified color.
- No fill is treated as transparent

3.5 Fill image

3.5.1 Selecte image

- If you select "Insert as Link", only the path to the image is included in the document. In this case, if there is no original image, the image cannot be loaded.
- Click "Image..." button to select an image to apply.
- For round box and oval items, they are drawn according to the shape of the element.
- For images that support transparent colors such as PNG, the transparent area is projected as the background image.

3.5.2 Layout type

Depending on the layout method, the image may be cropped or distorted horizontally and vertically.



Original Image



Original



Stretch



Zoom



Height Fit



Width Fit

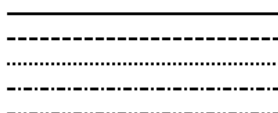
3.5.3 Rotate, Symmetry



- Rotate left, rotate right, mirror left and right, and mirror up and down are supported..
- Free angle rotation is not supported..

3.6 Border

3.6.1 Supported border types



3.6.2 Line thickness

- The line thickness is specified as an integer in pixels..

3.6.3 Line color

- Click the color to change it.

3.6.4 Round border

- Round the corners of the square.
- The specified number is the radius value in pixels.

3.6.5 Round border properties

- Specifies how to change the value of rounded corners when the size of the item is changed..

| | |
|------------|--|
| Fix | The same value is applied regardless of the size change. |
| Horizontal | t changes to fit the horizontal size. |
| Vertical | It changes to fit the vertical size. |

3.7 Barcodes

3.7.1 Barcode generation

- Place barcode items.
- Enter the string to be entered into the barcode..
- Select the barcode type.
- Click the "Generate Barcode" button.

3.7.2 Supported Barcode Types

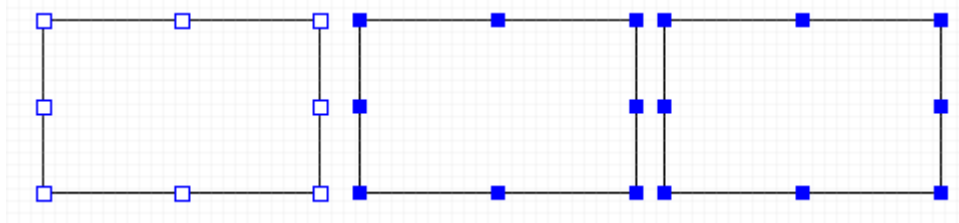
| | |
|-------------------|---|
| AZTEC | Aztec 2D barcode format. |
| CODABAR | CODABAR 1D format. |
| CODE_39 | Code 39 1D format. |
| CODE_93 | Code 93 1D format. |
| CODE_128 | Code 128 1D format. |
| DATA_MATRIX | Data Matrix 2D barcode format. |
| EAN_8 | EAN-8 1D format. |
| EAN_13 | EAN-13 1D format. |
| ITF | ITF (Interleaved Two of Five) 1D format. |
| MAXICODE | MaxiCode 2D barcode format. |
| PDF_417 | PDF417 format. |
| QR_CODE | QR Code 2D barcode format. |
| RSS_14 | RSS 14 |
| RSS_EXPANDED | RSS EXPANDED |
| UPC_A | UPC-A 1D format. |
| UPC_E | UPC-E 1D format. |
| UPC_EAN_EXTENSION | UPC/EAN extension format. Not a stand-alone format. |

- **Barcode Precautions**

- Barcodes have a fixed horizontal and vertical ratio depending on the format and content.
(Example) QR is a square
- If the item size is too small, the barcode may not be recognized..

3.8 Align item

3.8.1 Active item



- Among the selected items, the item with the white center of the resizing grip is the active item.
- You can change the active item by holding down the control key and clicking another selected item.
- All item sorting works based on the active item.

3.8.2 Align type



Aligns the selected item to the left position of the active item



Aligns the selected item to the vertical center position of the active item



Aligns the selected item to the right position of the active item



Aligns the selected item to the top position of the active item



Aligns the selected item to the horizontal center position of the active item



Aligns the selected item to the bottom position of the active item



Aligns the selected item to the vertical center of the card



Aligns the selected item to the horizontal center of the card

3.8.3 Change item precedence



Send selected item to end of front



Send the selected item to the front



Send selected item back

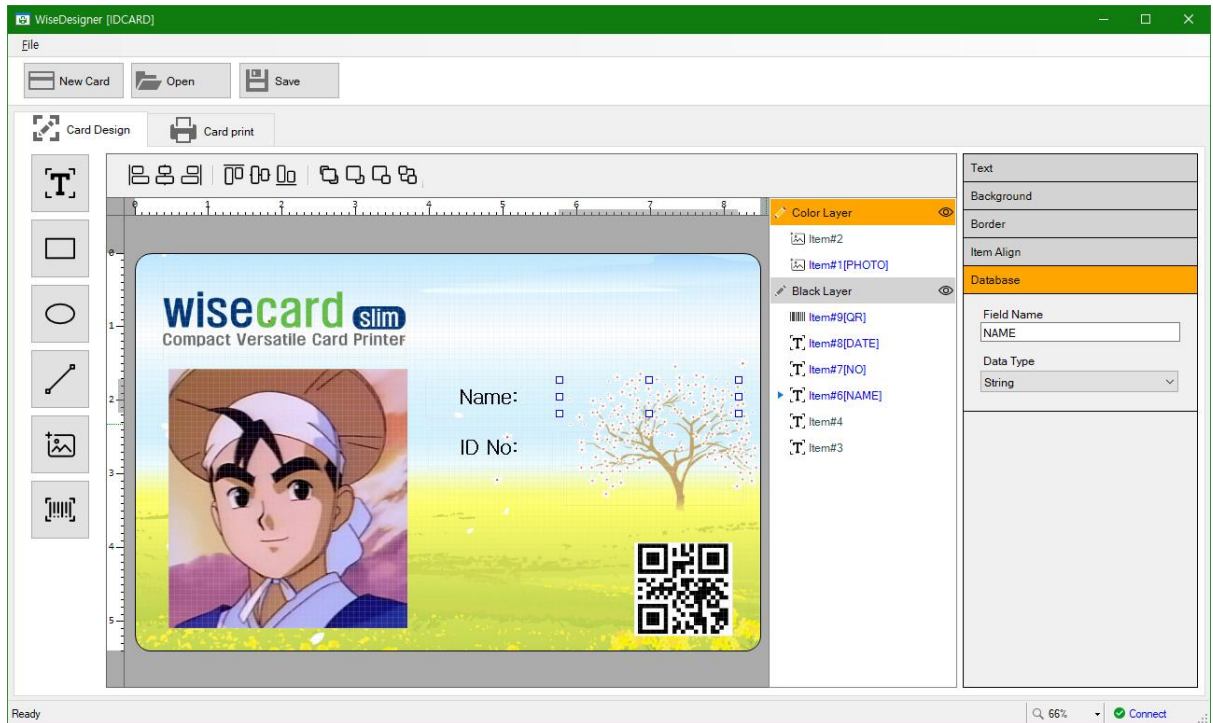


Send selected items to the end of back

4

Print Card

4.1 Link to database (Set print item)



4.1.1 How to link to database

- Select a drawing item to be linked.
- Click the "Data Link" tab.
- Enter "Data Field Name". Avoid having the same name on one card.
- Select data type.

Database

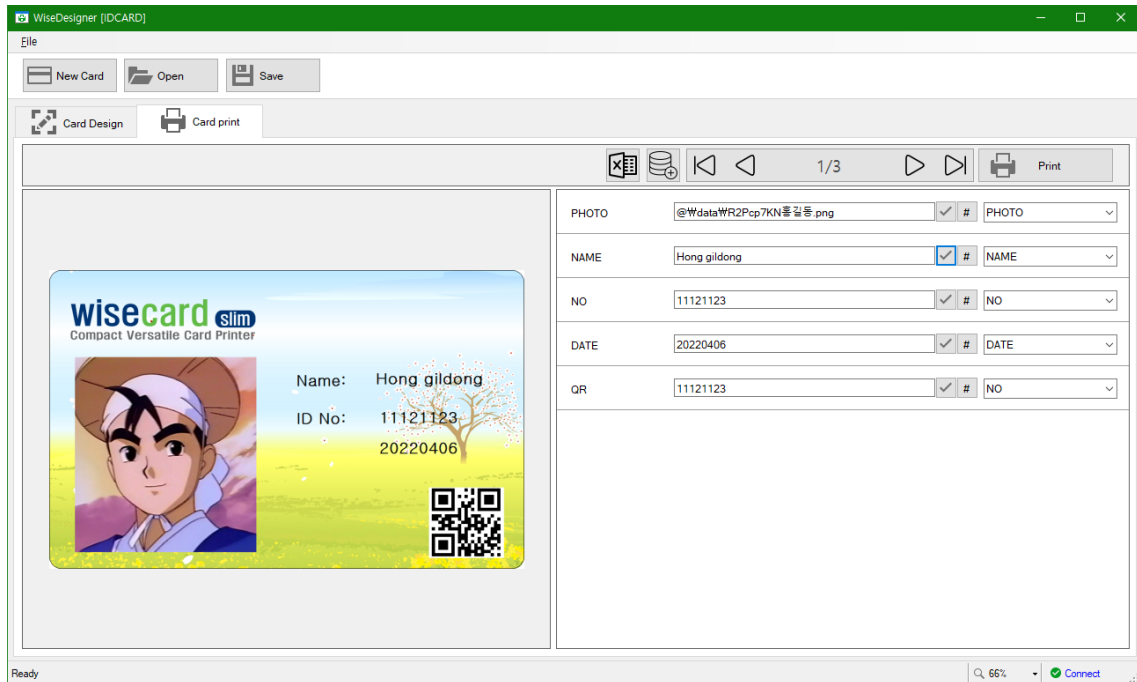
Field Name

Data Type

4.1.2 Type of data

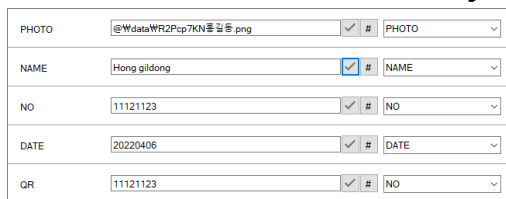
| | |
|-------|---|
| Text | Data is output as text. |
| Image | Data is output as an image. The data type is the image file path. |
| Color | Data is output in the background color. The data type is integer. |
| Show | Draws the element if the data is true, not if the data is false. |

4.1.3 Card print window



- Displays the fields set as data linkage in the Design tab.

4.1.4 How to enter data directly



4.1.5 Enter data

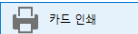
- Enter the content to be printed for each link field..
- After entering, click to apply.
- Repeat the above method for each field.

4.1.6 Preview



- If you enter all the linked items, you can check the card print image as shown in the picture..
- Character string display, image display, and barcode (QR) are well expressed depending on the data type..
- If there is a correction item, it will be changed after inputting data and applying it.

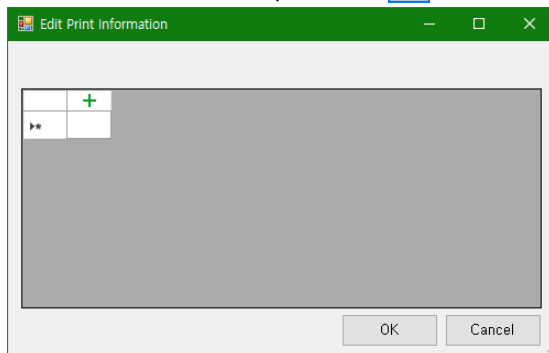
4.1.7 Print

- Insert the card into the printer and click the  button.

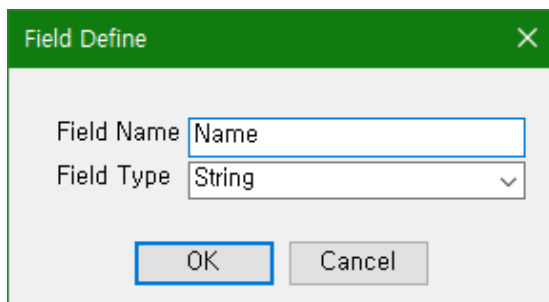
4.2 Database Connection

4.2.1 Internal data generation

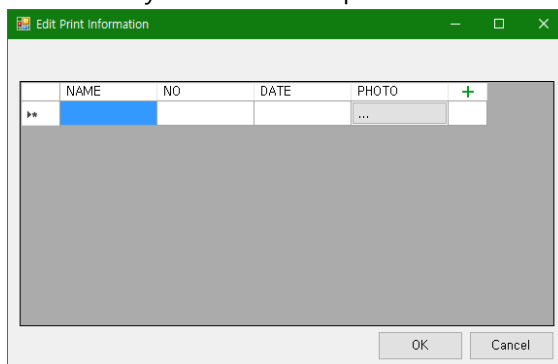
- In the main menu, press the  button to create internal data.



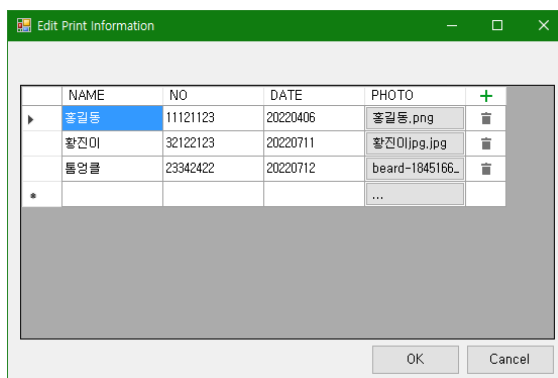
- Press **+** to create a field.



- Enter the field name and field type and click the "OK" button.
- Iteratively creates the required fields.



- Enter information for each field.



- After completing the input, click OK.

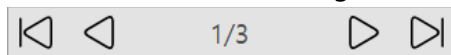
4.2.2 Associating database with items

| | | | |
|-------|---------------------------|-----|-------|
| PHOTO | @W\data\WR2Pcp7KN\홍길동.png | ✓ # | PHOTO |
| NAME | 홍길동 | ✓ # | NAME |
| NO | 11121123 | ✓ # | NAME |
| DATE | 20220406 | ✓ # | DATE |
| QR | 11121123 | ✓ # | NO |

- Open the list box right of the field to match items and data fields.


4.2.3 Preview linked with database

- You can move data using the buttons below..



- Check that the contents of the card preview change according to data movement.
- If there is an error depending on the length of the data, etc., it can be corrected again in Card Edit.

4.2.4 Print Card

- Insert the white card into the printer and click the  button.
- When printing is complete, the next data is automatically displayed.

4.3 Magnetic Card Encoding

4.3.1 Using magnetic encoding

- Check "Use Magnetic Encoding" in card properties.

Use Magnetic Encoding

Track 1 Card Type

Track 2 HiCo

Track 3 LowCo

- Select the track you want to use. Only selected tracks can be encoded.
- Select either HiCo or LoCo card type according to the specifications of the card to be used.

4.3.2 Input magnetic data

- If you select the "Use Magnetic Encoding", items for inputting information appear on the card print screen as shown below.

| | | | |
|--------|----------------------|-----|----------------------|
| TRACK1 | <input type="text"/> | ✓ # | <input type="text"/> |
| TRACK2 | <input type="text"/> | ✓ # | <input type="text"/> |
| TRACK3 | <input type="text"/> | ✓ # | <input type="text"/> |

- Direct input or database linkage can be used like general items.