CozyPrint 9.2.0
14th August 2020

Desktop Software to convert PDF file to PVC card format to print on any PVC Card Printer.

Convert PDF to PVC

E-AADHAAR → PVC Card
E-PAN → PVC Card
E-UAN → PVC Card
E-PMJAY → PVC Card
E-PM-SYM → PVC Card

CozyPrint Manual

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About CozyPrint

CozyPrint is desktop software to convert PDF files to PVC card format. This software can be used to convert and print E-AADHAAR, E-PAN, E-UAN, PM-JAY, or PM-SYM pdf files downloaded from respective portals. Downloaded files can be selected for processing from CozyPrint software. After the conversion, you can print on any PVC card printer.

This is designed to do fully automated conversion based on the properties configured at your installation. Customization can be done by modifying the values to suit your pre-printed card design.

What PDF Formats Are supported?

CozyPrint software can process E-AADHAAR, E-PAN, E-UAN, PM-JAY, or PM-SYM pdf files downloaded from respective portals.

How to use CozyPrint?

Registration and Activation:

Step1: Registration
After installing the software, registration form should be filled with location details, mobile number and email address. OTP will be sent to given email ID to activate the software

Step2: Trial Version or License Version
By default the software will be installed as a trial version with water marking on the print. You can purchase license online at [www.cozyprint.net](http://www.cozyprint.net) and apply the key to activate full version

Process E-AADHAAR PDF File:
1. Download latest E-Aadhaar from [https://eaadhaar.uidai.gov.in/](https://eaadhaar.uidai.gov.in/)
2. Filename should start with file password to read the file automatically.
3. Choose/Select E-Aadhaar file from your system.
4. Press Process button and preview output.
5. Select Card Printer from the list.
6. Use pre-printed or plain PVC cards and press Print button.

Process E-PAN PDF File:
1. e-PAN PDF file will be sent to your Email after applying NEW or by Re-Print/Correction in the PAN from [https://www.onlineservices.nsdl.com](https://www.onlineservices.nsdl.com)
2. The downloaded filename should be the same as the PASSWORD to read by the software automatically.
3. Open the software and Choose/Select e-PAN file from the system.
4. Press the Process button to process the file and get a preview of the processed file.
5. Select the appropriate PVC Card Printer from the list.
6. Press the print button to start the printing
7. Use Plain/Blank PVC and Full Panel ribbon

Process E-UAN PDF File:
1. Download the Employee UAN card PDF file from [https://unifiedportal-mem.epfindia.gov.in](https://unifiedportal-mem.epfindia.gov.in)
2. Open the software, click on browse and Choose/Select the downloaded UAN file from the system.
3. Press the Process button to process the file and to get a preview of the processed file.
4. Select the appropriate PVC Card Printer from the list.
5. Press the print button to start the printing
6. Use Plain/Blank PVC and Full Panel ribbon

**Process E-PMJAY PDF File:**
1. Download the AYUSHMAN BHARAT - PRADHAN MANTRI JAN AROGYA YOJANA (PMJAY) card PDF file from https://mera.pmjay.gov.in
2. Open the software, click on browse and Choose/Select the downloaded PMJAY file from the system.
3. Press the Process button to process the file and to get a preview of the processed file.
4. Select the appropriate PVC Card Printer from the list.
5. Press the print button to start the printing
6. Use Plain/Blank PVC and Full Panel ribbon

**Process E-PM-SYM PDF File:**
1. Download the Pradhan Mantri Shram Yogi Maan-dhan(PM-SYM) card PDF file from https://labour.gov.in/pm-sym
2. Open the software, click on browse and Choose/Select the downloaded PM-SYM file from the system.
3. Press the Process button to process the file and to get a preview of the processed file.
4. Select the appropriate PVC Card Printer from the list.
5. Press the print button to start the printing
6. Use Plain/Blank PVC and Full Panel ribbon

**Connect & Configure PVC card printer:**
- Connect PVC Card printer
- Configure printer as per manufacturer reference
- Keep the pre-printed PVC cards in correct position

**Process the file and Print card:**

**Step1: Select E-Aadhaar file & Process**
Select valid file that was saved in computer and enter PIN number if any to process the file. Valid PIN is required to process the file. Optionally default check box can be selected to avoid entering PIN number of each file.

**Step2: Review & Print**
Review the output, choose number of copies, select card printer and click on print button.

**Configuration Introduction**
- Configurations file can be found in C:\CozyPrint\Resources\CozyPrint.Properties
- File can be opened in notepad or any other text editor
- CozyPrint application should be closed before making any changes.
- Make necessary changes and save the properties file
- Restart CozyPrint to take new parameters come into effect
- There are several parameters in the properties file. Most of the default values should work for your case. You should only change parameters that are necessary in your case
- To get back the default properties file, you can simply delete existing properties file or rename the file. New default properties file will be created when you restart the CozyPrint application
E-AADHAAR to PVC Configuration Parameters

# File Name : CozyPrint.properties
# Developer : Cozy Infosystems Pvt Ltd (www.cozyinfo.com)
# CozyPrintVersion : 7.0.0
# CozyPrint Software: www.cozyprint.net

# This file is generated and used by CozyPrint software.
# This file lists all required properties including the card design format properties.
# All the properties are listed at the end of this file.
# Please refer to cozyprint_properties_help.txt to know about these parameters

Fri Oct 06 10:10:10 IST 2017
backSideRotate=0
frontSideRotate=0
baddEFont=30
baddEW=500
baddEX=475
baddEY=470
baddTX=20
baddTY=470
baddTH=350
barH=175
barW=3
bheadX=75
bheadY=520
BN=3
BNL=A
bnumX=500
bnumY=110
bsloganX=25
bsloganY=10
defaultPassword=999999
fheadX=75
fheadY=520
fnameY=470
fnumX=270
fnumY=140
fsloganH=75
fsloganW=RED=0
inputFolder=
isDefaultPassword=0
localLangExpand=0
photoBorder=0
printerType=2
printMode=D
qrY=140
selectedPrinter=
phX = +25
phW = 235x
photoContrast=10
photoBrightness=10
Backside Rotate

backSideRotate=0

- This is used to rotate the back side card printing
- Value 0 will keep the same orientation
- Value 1 will rotate the back side card by 180 degrees
- Default value is “0”
- Change this value based on your printer settings
- Some printers may have the option of rotating in the printer configuration screen
- Choose either 0 or 1

Frontside Rotate

frontSideRotate=0

- This is used to rotate the front side card printing
- Value 0 will keep the same orientation
- Value 1 will rotate the front side card by 180 degrees
- Default value is “0”
- Change this value based on your printer settings
- Some printers may have the option of rotating in the printer configuration screen
- Choose either 0 or 1
Backside Local Language Address Configuration

baddTX=20
- This represents backside local language address X position from left side
- Default value should work for all types of addresses
- You may change this value based on specific requirement
- Increasing this value will move local language address to right and decrease will move to left
- Recommended value range is 15 ~ 40

baddTY=470
- This represents backside local language address Y position from bottom
- Default value should work for all types of addresses
- You may change this value based on specific requirement
- Increasing this value will move local language address up and decreasing will move it down
- Recommended value range is 460 ~ 500

localLangExpand=0
- This represents how the local language address will be printed
- localLangExpand=0 instructs software to print address without distorting the width and fits the height to match the card design
- localLangExpand=1 instructs software to expand the local address horizontally to make use of available space. The address will be distorted in this case.
Backside Address English Language Configuration

**baddEFont=30**
- This represents the font value for English address on the back side.
- Default value should work for all types of addresses.
- You may change this value based on specific requirement.
- Recommended value range is 25 ~ 30.

**baddEW=500**
- This represents backside English address width value.
- Default value should work for all types of addresses.
- You may change this value based on specific requirement.
- Recommended value range is 470 ~ 500.

**baddEX=475**
- This represents backside English address X position from left side.
- Default value should work for all types of addresses.
- You may change this value based on specific requirement.
- Increasing this value will move English address to right and decrease will move to left.
- Recommended value range is 475 ~ 500.

**baddEY=470**
- This represents backside English address Y position from bottom.
- Default value should work for all types of addresses.
- You may change this value based on specific requirement.
- Increasing this value will move English address up and decreasing will move it down.
- Recommended value range is 460 ~ 500.
Backside UID Number / Barcode Configuration

BNL=A
- This represents bank number location alignment mode
- Only two values are allowed
  - A=Auto Mode
  - M=Manual Mode
- When setting to A, the number will be positioned at the center of backside card. If the barcode/number is overlapping with local language text then it will automatically move to right side.
- When setting to M, the number will be positioned as per the values defined in bnumX and bnumY

barH=175
- This represents height of barcode on backside
- Default value should work for all cases
- You may change this value based on specific requirement
- Increasing this value will increase the size and reduce the value will reduce the size
- Recommended value range is 150 ~ 200

barW=3
- This represents width of barcode on backside
- Default value should work for all cases
- You may change this value based on specific requirement
- Increasing this value will increase the width and reduce the value will reduce the size
- Recommended values are 2, 3, or 4

bnumX=500
- This represents width of barcode X position
- Default value should work for all cases
- You may change this value based on specific requirement
- Increasing this value will move the barcode to right and decrease the value will move to left
- Recommended values are 250 ~ 750
- This parameter will be effective only when you use BNL value “M” (Manual mode)

bnumY=110
- This represents width of barcode Y position
- Default value should work for all cases
- You may change this value based on specific requirement
- Increasing this value will move the barcode up and decrease the value will move to it down
- Recommended values are 110 ~ 130
- This parameter will be effective only when you use BNL value “M” (Manual mode)
### Backside UID Number / Barcode Formats / Backside UID Number Position

**BN=1**

Backside UID number/Barcode choices: There are 4 possibilities

- **BN=0** – No number will be printed
- **BN=1** – Number is printed as 1D barcode only (Default)
- **BN=2** – Number is printed in numeric form only
- **BN=3** – Number is printed in 1D barcode and number.

**BN=0**

No number or barcode will be printed

**BN=1**

Print UID number as 1D barcode only.
This is the default value and can be changed anytime.

**BN=2**

Print UID number as numeric form only

**BN=3**

Print UID number as 1D barcode and numeric form

**backBarCodePos=R**

Backside UID number/Barcode choices: There are two types

1) **backBarCodePos=C**: Means UID number will print at center position.

2) **backBarCodePos=R**: Means UID number will print at Right position.
Photo border configuration

`photoBorder=0`
Configure Photo Border value as per your choice. There are 3 possibilities.
- `photoBorder=0` – No border will be printed to photo (Default)
- `photoBorder=1` – Border with 1 pt thickness will be printed
- `photoBorder=2` – Border with 2 pt thickness will be printed

**PhotoBorder=0**
No border will be on the photo.
This is the default value and can be changed anytime

**PhotoBorder=1**
Border with 1 pt thickness will be printed

**PhotoBorder=2**
Border with 2 pt thickness will be printed
Front name, DOB, Gender positioning

fnameY=470
- This represents front name Y position
- Default value should work for all cases
- You may change this value based on specific requirement
- Increasing this value will move the front name up and decrease the value will move to it down
- Recommended values are 450~500
- X-position and width will be auto-calculated based on the length of name and available space
- Photo Y position will use fnameY value

QR Code positioning

qrY=140
- This represents QR Code Y position
- Default value should work for all type of pre-printed card designs
- You may change this value based on specific requirement
- Increasing this value will move the QR code up and decrease the value will move to it down
- Recommended values are 120~150
- QR Code X position will be auto calculated
- QR Code width will be auto calculated

Photo Enhancer

photoContrast:
This represents contrast of the photo
Recommended value is 10.
e.g. photoContrast = 10

photoBrightness:
This represents brightness of the photo
Recommended value is 10.
e.g. photoBrightness = 10
Front UID number positioning

- **fnumX=270**
  - This represents front number X position
  - Default value should work for all cases
  - You may change this value based on specific requirement
  - Increasing this value will move the front number to right and decrease the value will move to it left
  - Recommended values are 270~350

- **fnumY=140**
  - This represents front number Y position
  - Default value should work for all cases
  - You may change this value based on specific requirement
  - Increasing this value will move the front number up and decrease the value will move to it down
  - Recommended values are 120~150

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Front Slogan Configuration

- **fsloganH=75**
  - This represents front slogan height
  - Default value should work for all cases
  - You may change this value based on specific requirement
  - Increasing this value will increase the slogan height and decrease the value will decrease the height
  - Recommended values are 50~90
  - Software will try to adjust the slogan height to specified value. If the width increases to more than available space, it reduces the height proportionately to fit in the available width.

- **fsloganWRED=0**
  - This represents the percentage of front slogan that is of RED color
  - This will help instruct the printer to use K Panel for the remaining width
  - This value varies for each language, but default value of 0 will enable the auto calculation of width based on PIN CODE
  - You may change this value based on specific requirement
  - Recommended values are 0 or 20~30. Value ‘0’ will enable auto calculation of width.
**Blank card configuration**

Use these configuration settings for blank cards only. These settings are not applicable for pre-printed cards as a front header, back header and back slogan are pre-printed already in such case.

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>fheadX=75</strong></td>
<td>✓</td>
<td>This represents front header image X position. Default value should work for all cases. You may change this value based on specific requirement. Increasing this value will move the front header to the right side and decreasing will move to the left side. Recommended values are 60 ~ 90.</td>
</tr>
<tr>
<td><strong>fheadY=520</strong></td>
<td>✓</td>
<td>This represents front header image Y position. Default value should work for all cases. You may change this value based on specific requirement. Increasing this value will move the front header up and decreasing will move it down. Recommended values are 500 ~ 540.</td>
</tr>
<tr>
<td><strong>bheadX=75</strong></td>
<td>✓</td>
<td>This represents back header image X position. Default value should work for all cases. You may change this value based on specific requirement. Increasing this value will move the back header to the right side and decreasing will move to the left side. Recommended values are 60 ~ 90.</td>
</tr>
<tr>
<td><strong>bheadY=520</strong></td>
<td>✓</td>
<td>This represents back header image Y position. Default value should work for all cases. You may change this value based on specific requirement. Increasing this value will move the back header up and decreasing will move it down. Recommended values are 500 ~ 540.</td>
</tr>
<tr>
<td><strong>bsloganX=25</strong></td>
<td>✓</td>
<td>This represents back slogan X position. Default value should work for all cases. You may change this value based on specific requirement. Increasing this value will move the back slogan to the right side and decreasing will move to the left side. Recommended values are 15 ~ 40.</td>
</tr>
<tr>
<td><strong>bsloganY=10</strong></td>
<td>✓</td>
<td>This represents back slogan Y position. Default value should work for all cases. You may change this value based on specific requirement. Increasing this value will move the back slogan up and decreasing will move it down. Recommended values are 5 ~ 20.</td>
</tr>
<tr>
<td><strong>baddTH=350</strong></td>
<td>✓</td>
<td>This represents height of back address in local language. Default value should work for all cases. You may change this value based on specific requirement. Increasing this value will increase the height and reducing the value will decrease the height. You can adjust the value as per your card design. Recommended values are 350 ~ 380.</td>
</tr>
<tr>
<td><strong>phW=235x</strong></td>
<td>✓</td>
<td>This parameter represents width of photo, if its increase photo width will increase if decrease, vice-versa.</td>
</tr>
<tr>
<td><strong>phX=+25</strong></td>
<td>✓</td>
<td>This parameter represents photo X-position (from left), if its increase photo will move from left to right if decrease, vice-versa.</td>
</tr>
</tbody>
</table>
Printer Configuration

**printerType=2**
- Printer type selection can be done through this setting.
- printerType=1 represents single side card printer such as Zebra P 33i. In this mode, CozyPrint software will print front side first and waits for you to flip the card to print on back side.
- printerType=2 represents dual side card printer. Most of the newer printer models do support dual side printing.
- This setting can also be done from software by pressing the options button on right side of the screen
- Default value of printerType will be 2

**printMode=D**
- This represents how printing will be done
- printMode=D instructs software to print the processed card directly to printer
- printMode=P instructs software to prepare PDF file and then print from PDF file to card printer. In this case, Acrobat reader should have been installed on the system.
- Some printers give good quality output with printMode D and some give good quality with printMode as P.
- We recommend usingprintMode=P for Zebra ZXP Series 3 and Datacard SD360 printers.
- For all other card printers printMode=D should work fine.
- Default value of printMode will be D

Other runtime parameters

**isDefaultPassword=0**
- This parameter will be used to instruction the software to use default password for all the cards
- When this value is set to “1”, software will use the default password specified in the properties file
- Enabling and disabling can also be done at run time by selecting or deselecting the checkbox next to password field
- This is a useful feature for processing all the cards that belong to same location/PIN code.
- When the checkbox is deselected or set the value to “0”, the software will expect the operator to enter the password every time. It will also try to read first 6/8 characters of the file name as the password, in this case, the filename should be saved consciously by giving Password as the first 6/8 characters.

**defaultPassword=999999**
- This value can be used as default password for specific location/PIN Code
- It comes into effect only when isDefaultPassword is set to “1”
- This value can be changed at run time from software screen by selecting the check box next to password field.

**inputFolder=NONE**
- When first time E-Aadhaar file is selected for processing it will save the folder name into properties file
- For all subsequent processes software will point to previously selected input folder.
- This will help speed up the file selection operation

**selectedPrinter=NONE**
- When the first-timeprinter is selected for printing it will save the printer name into properties file
- For all subsequent prints, the software will point to the previously selected printer name.
- This will help speed up the printer selection operation
E-PAN to PVC Configuration Parameters

panPhX = "133" --> Photo X Position (Position is centre of Image)
panPhY = "265" --> Photo Y Position (Position is centre of Image)
panPhW = "180" --> Photo Width
panPhH = "180" --> Photo Height
panQrX = "813" --> QrCode Image X Position (Position is centre of Image)
panQrY = "323" --> QrCode Image Y Position (Position is centre of Image)
panQrW = "285" --> QrCode Image Width
panPNumX="335" --> PanNumber X Position
panPNumY="265" --> PanNumber Y Position
panNameY="387" --> Name Y Position
panNameX="55" --> Name X Position
panFNameX="55" --> FatherName X Position
panFNameY="478" --> FatherName Y Position
panDOBY="575" --> DOB X Position
panDOBX="55" --> DOB Y Position
panSignX="328" --> signature image X Position
panSignY="576" --> signature image Y Position
panSignH="75" --> signature image Height
panPrintMode=P --> Print Mode
PanselectedPrinter
PaninputFolder

PM-JAY to PVC Configuration Parameters

pmjayPhX = 110 --> Photo X Position (Position is center of Image)
pmjayPhY = 270 --> Photo Y Position (Position is center of Image)
pmjayPhH = 235 --> Photo Height
pmjayQrX = 860 --> QrCode Image X Position (Position is center of Image)
pmjayQrY = 365 --> QrCode Image Y Position (Position is center of Image)
pmjayQrW = 140 --> QrCode Image Width
pmjaybarH = 135 --> Barcode height
pmjaybarW = 4 --> Barcode Width
pmjaybarX = 17 --> Barcode x
pmjaybarY = 410 --> Barcode Y
pmjaybaddTY = 298 --> BackSide Address Y
pmjayfaddTX = 232 --> Front Address X
pmjayfaddTY = 205 --> Front Address Y
pmjayStateX=720 --> Front Side State Name X
pmjayStateY=478 --> Front Side State Name Y
isPmjayPrePrinted = 0
pmjayPrintMode = P

Supported Printers

We have tested CozyPrint software in below printers. However, the software should work in any other card printers in the market.

- Zebra ZXP Series 3 Dual-Side Card Printer
- Zebra-P330i Single-Side Card Printer
- Datacard SD360 Dual-Side Card Printer
- MagicardEnduro Plus Dual-Side Card Printer
- HID Fargo DTC1000 Dual-Side Card Printer
- HID Fargo DTC1250e Dual-Side Card Printer
• Evolis Primacy Dual-Side Card Printer

License Usage
• License once applied to one system should be used for that system only
• System ID will be mapped to license key when you register the first time
• License is valid for lifetime and comes with 1-year software support to receive software updates
• From the second year, onwards annual support charges of Rs 2,000 + Service Tax are applicable to receive updated continuously

Reinstallation / License Transfer
• You can reinstall the software on same system any number of times and use the same license key
• In case, if you want to move the license to another system, you need to release the license from existing system first and then use the license key on another system
• Reinstallation and License Release can be done on your own any number of times without any charge.
• Taking help from our support team for Reinstallation or License Release service will incur additional charges. Remote access is required for our support.
• Support Charges:
  o Software reinstallation or License release will be charged at Rs 500 + Service Tax per call
  o If the older system is not accessible to release the license, then the license transfer charge will be Rs 2,000 + Service Tax per license.

Release license and transfer to another system
• You can transfer the license to another system by release it from existing system
• Follow few simple steps as mentioned below.

Step1: Click on “About” button

Step2: Click on “License Release” button
Step 3: Click “Yes” to receive OTP to registered email

If you wish to transfer the license or change the system, you should first release the license from existing system and then apply the same license on another system. Once you submit the request, registered email validation will be done through One Time Password (OTP). Once the license is released the CozyPrint will uninstall automatically from System.

Do you wish to release this license now?

Yes  No

Step 4: Enter OTP received to your registered email and click Submit

Enter verification code (OTP) sent to your registered e-mail

Submit  Cancel

Step 5: Click OK on license release prompt

You have successfully released current license. Please check your registered email for license info. and click OK to Uninstall CozyPrint.

OK

Step 6: Wait for CozyPrint un-installation process

Please wait while CozyPrint is being uninstalled.

Thanks for using CozyPrint Software

Support Contact
Please contact our support team for help with configuration.

Email : support@cozyprint.net
Website : www.cozyprint.net