

# capacitor-plugin-epson-epos

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A capacitorjs plugin for Epson Pos Printer

## Android

- ePos SDK: V2.29.0.a
- Only tested with TM\_T20III Ethernet / TM\_T20 USB

## Roadmap

- Add iOS support

## Install

```
npm install capacitor-plugin-epson-epos  
npx cap sync
```

## How to use

- [See examples here](#)
- [ePOS SDK Android - User's manual](#)

## API

- `requestPermission()`
- `startDiscovery(...)`
- `stopDiscovery()`
- `print(...)`
- `finalizePrinter()`
- [Interfaces](#)
- [Type Aliases](#)

### requestPermission()

```
requestPermission() => Promise<{ success: boolean; }>
```

**Returns:** `Promise<{ success: boolean; }>`

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### startDiscovery(...)

```
startDiscovery(options: DiscoveryOptions) => Promise<DiscoveryResult>
```

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Param	Type
<code>options</code>	<code>DiscoveryOptions</code>

**Returns:** `Promise<DiscoveryResult>`

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`stopDiscovery()`

<code>stopDiscovery() =&gt; Promise&lt;{ message: string; }&gt;</code>
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**Returns:** `Promise<{ message: string; }>`

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`print(...)`

<code>print(options: PrintOptions) =&gt; Promise&lt;{ success: boolean; }&gt;</code>
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Param	Type
<code>options</code>	<code>PrintOptions</code>

**Returns:** `Promise<{ success: boolean; }>`

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`finalizePrinter()`

<code>finalizePrinter() =&gt; Promise&lt;{ message: string; }&gt;</code>
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**Returns:** `Promise<{ message: string; }>`

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Interfaces

**DiscoveryResult**

Prop	Type
<code>printers</code>	<code>DiscoveryResultPrinter[]</code>

**DiscoveryResultPrinter**

Prop	Type
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Prop	Type
PrinterName	string
Target	string

DiscoveryOptions

Prop	Type	Default
timeout	number	10000 (milliseconds)
broadcast	string	'255.255.255.255'
portType	EpsonEposPortType	'ALL'

PrintOptions

Prop	Type	Default
target	string	
instructions	PrintInstruction[]	
modelCode	EpsonEposPrinterSerie	
langCode	string	'ANK'

PrintInstruction

Prop	Type	Description
addHPosition	number	Integer from 0 to 65535
addLineSpace	number	Integer from 0 to 255
addFeedLine	number	Integer from 0 to 255
addFeedUnit	number	Integer from 0 to 255
addTextAlign	TextAlign	
addText	PrintText	
addTextStyle	PrintTextStyle	
addBase64Image	PrintBase64Image	
addBarcode	PrintBarcode	
addSymbol	PrintSymbol	
addTextSize	[number, number]	
addHLine	PrintHorizontalLine	

Prop	Type	Description
addVLineBegin	PrintVerticalLine	
addVLineEnd	Pick<PrintVerticalLine, 'lineId'>	
addCut	Cut	
addPulse	PrintWithPulse	
addCommand	BinaryType	
addFeedPosition	FeedPosition	
addLayout	PrintLayout	

PrintText

Prop	Type
value	string   string[]
size	[number, number]
align	TextAlign
style	PrintTextStyle

PrintTextStyle

Prop	Type	Default
reverse	boolean	false
ul	boolean	false
em	boolean	false

PrintBase64Image

Prop	Type	Description
value	string	Base64 image string
x	number	
y	number	
width	number	Specifies the width of the print area (in pixels).
height	number	Specifies the height of the print area (in pixels).

PrintBarcode

Prop	Type	Default
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Prop	Type	Default
value	string	
type	BarcodeType	CODE_39
font	BarcodeFont	FONT_A
hri	BarcodeHri	HRI_BELOW
width	number	2 Integer from 2 to 6
height	number	100 Integer from 1 to 255

PrintSymbol

Prop	Type	Description	Default
value	string		
type	SymbolType		
level	number   SymbolLevelPDF   SymbolLevelQRCode		
width	number	The range differs depending on the 2D symbol type.	PDF417 from 2 to 8
height	number	The range differs depending on the 2D symbol type.	PDF417 from 2 to 8
size	number	The range differs depending on the 2D symbol type.	PDF417 0

PrintHorizontalLine

Prop	Type
position	[number, number]
lineStyle	LineStyle

PrintVerticalLine

Prop	Type
position	number
lineStyle	LineStyle
lineId	number[]

PrintWithPulse

Prop	Type	Default
drawer	DrawerPin	2pin
time	PulseTime	100

PrintLayout

Prop	Type
type	LayoutType
width	number
height	number
marginTop	number
marginBottom	number
offsetCut	number
offsetLabel	number

Type Aliases

EpsonEposPortType

'ALL' | 'TCP' | 'BLUETOOTH' | 'USB'

TextAlign

'left' | 'right' | 'center'

BarcodeType

Types representing the allowed barcode types.

'UPC\_A' | 'UPC\_E' | 'EAN13' | 'JAN13' | 'EAN8' | 'JAN8' | 'ITF' | 'CODA\_BAR' | 'CODE\_39' | 'CODE\_93' | 'CODE\_128' | 'CODE\_128\_AUTO' | 'GS1\_128' | 'GS1\_DATA\_BAR\_OMNIDIRECTIONAL' | 'GS1\_DATA\_BAR\_TRUNCATED' | 'GS1\_DATA\_BAR\_LIMITED' | 'GS1\_DATA\_BAR\_EXPANDED'

BarcodeFont

Types representing the allowed barcode fonts.

'FONT\_A' | 'FONT\_B' | 'FONT\_C' | 'FONT\_D' | 'FONT\_E'

BarcodeHri

Types representing the allowed barcode HRI (Human Readable Interpretation) positions.

'HRI\_NONE' | 'HRI\_ABOVE' | 'HRI\_BELOW' | 'HRI\_BOTH'

### SymbolType

'PDF417\_TRUNCATED' | 'QRCODE\_MODEL\_1' | 'QRCODE\_MODEL\_2' | 'QRCODE\_MICRO' |  
'MAXICODE\_MODE\_2' | 'MAXICODE\_MODE\_3' | 'MAXICODE\_MODE\_4' | 'MAXICODE\_MODE\_5' |  
'MAXICODE\_MODE\_6' | 'GS1\_DATABAR\_STACKED' |  
'GS1\_DATABAR\_STACKED\_OMNIDIRECTIONAL' | 'GS1\_DATABAR\_EXPANDED\_STACKED' |  
'AZTECCODE\_FULLRANGE' | 'AZTECCODE\_COMPACT' | 'DATAMATRIX\_SQUARE' |  
'DATAMATRIX\_RECTANGLE\_8' | 'DATAMATRIX\_RECTANGLE\_12' | 'DATAMATRIX\_RECTANGLE\_16'

### SymbolLevelPDF

'LEVEL\_0' | 'LEVEL\_1' | 'LEVEL\_2' | 'LEVEL\_3' | 'LEVEL\_4' | 'LEVEL\_5' |  
'LEVEL\_6' | 'LEVEL\_7' | 'LEVEL\_8'

### SymbolLevelQRCode

'LEVEL\_L' | 'LEVEL\_M' | 'LEVEL\_Q' | 'LEVEL\_H'

### SymbolLevelAztecCode

number

### LineStyle

'thin' | 'medium' | 'thick' | 'thin\_double' | 'medium\_double' | 'thick\_double'

### Pick

From T, pick a set of properties whose keys are in the union K

{ [P in K]: T[P]; }

### Cut

'cut\_feed' | 'cut\_no\_feed' | 'cut\_reserve' | 'full\_cut\_feed' |  
'full\_cut\_no\_feed' | 'full\_cut\_reserve'

### DrawerPin

'2pin' | '5pin'

### PulseTime

'pulse\_100' | 'pulse\_200' | 'pulse\_300' | 'pulse\_300' | 'pulse\_400' |  
'pulse\_500'

### FeedPosition

'peeling' | 'cutting' | 'current\_tof' | 'next\_tof'

**LayoutType**

'receipt' | 'receipt\_bm' | 'label' | 'label\_bm'

**EpsonEposPrinterSerie**

'TM\_M10' | 'TM\_M30' | 'TM\_P20' | 'TM\_P60' | 'TM\_P60II' | 'TM\_P80' | 'TM\_T20' |  
'TM\_T60' | 'TM\_T70' | 'TM\_T81' | 'TM\_T82' | 'TM\_T83' | 'TM\_T83III' | 'TM\_T88' |  
'TM\_T90' | 'TM\_T90KP' | 'TM\_T100' | 'TM\_U220' | 'TM\_U330' | 'TM\_L90' |  
'TM\_H6000' | 'TM\_M30II' | 'TS\_100' | 'TM\_M50' | 'TM\_T88VII' | 'TM\_L90LFC' |  
'EU\_M30' | 'TM\_L100' | 'TM\_P20II' | 'TM\_P80II' | 'TM\_M30III' | 'TM\_M50II' |  
'TM\_M55' | 'TM\_U220II'