

NFC Agent and Image generate



Open NFC agent and login to the server

А	Office	Sign In ePaper Manager	\times
📕 Adobe Acrobat DC			
AnyDesk	~		
	Office	Sign In ePaper Manager	
Cortana	0 🗹	orgin in er aper manager	
E EPD NFC Agent 2	Outlook	Server Url	
EPD Office365 Agent		http://172.22.20.160:8080	
🖆 EPD Outlook Agent			
X I Excel	OneDrive 探索	Username	
F FileZilla FTP Client	· ·	root	
FortiClient VPN	Microsoft E	Password	
🖁 Google Chrome		*****	
o Groove 音樂	<i>ৰ্যা</i>		
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P 🩋 🧿 🗖	🚥 💊 🤹	Sign In	



Check the template in the NFC agent

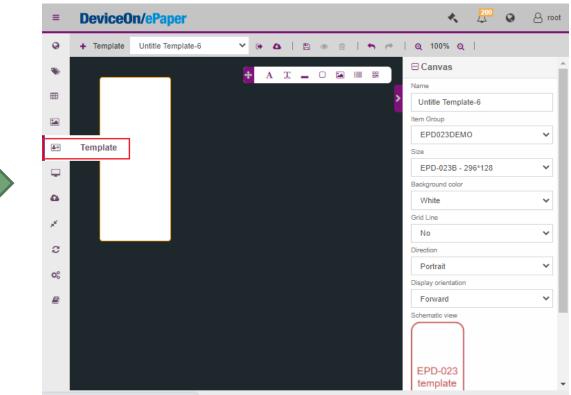
NFC Agent								—	
ePaper Ma	nager sic Mode	Select	Basic Mod	e	0	USB Port	сомз	~ Refres	sh
Step 1. Select a te ChipDemo1	emplate. ~				Ste	p 3. Draw the Draw	image.		
ChipDemo1 ChipDemo2 ChipDemo3 EPD-023_Demo EPD210_Card_2 epd-210-demo EPD-230B_White RMA-P2L-Off RMA-P2L-On			all template you can use			ADVANTECH No Stock	vicky.I	Deliver	
Untitle Template- Untitle Template-			Desc	Mfr	Package	Series	Freq	Memory	^
台灣自動化展-3		K148UAT0VLQT	MCU S32K148 144 LQFP	NXP Semiconductors	LQFP-144	S32K1xx	112 MHz	2 MB	
台灣自動化展-4	D 210	3500FGM48C	MCU ARM Cortex-M3	Silicon Labs	QFN-48	EFM32JG12	40 MHz	1024 kB	
台灣自動化展-EP 台灣自動化展_EP		ML11E14A-AUT	ARM Cortex-M23	Microchip Technology	TQFP-32	ATSAML11	32 MHz	10 kB	
台灣自動化展-EP		K146HNT0VLLV	MCU S32K144 32-bit	NXP Semiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	
5 7	771-FS32	K146HNT0VLLT	MCU S32K144 32-bit	NXP Semiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	•
6 7	771-FS32	K146HNT0VLLGG	MCU S32K144 32-bit	NXP Semiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	
7 7	772-FS32	K146HNT0VLLGG	MCU S32K144 32-bit	NXP Semiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	
8 7	776-FS32	K146HNT0VLLGG	MCU \$32K144 32-bit	NXP Semiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	
9 7	773-FS32	K146HNT0VLLGG	MCU S32K144 32-bit	NXP Semiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	
10 7	774-FS32	K146HNT0VLLGG	MCU S32K144 32-bit	NXP Semiconductors	LOFP-100	S32K1xx	80 MHz	1 MB	~

Login the ePaper Manager start to edit template

Account: root Password: P@ssw0rd

DeviceOn/ePaper

Sign in to EPD
root
Remember me !
Sign in



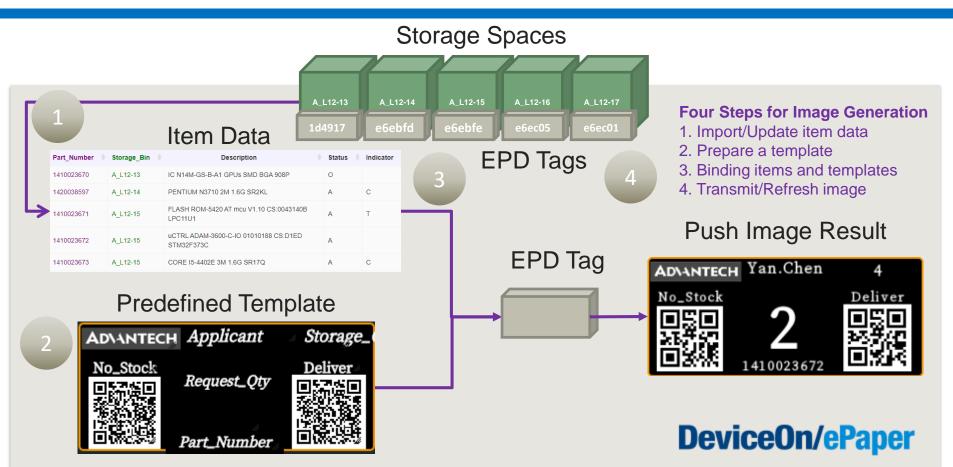
^{172.22.20.160:8080/}main/esltemplate 0 / Hub v1.4.4 Copyright © 2018-2022 Advantech Corp. All rights reserved.



Image Generator



Four Steps for Image Generation



Step 1. Prepare and import your item (storage) data

1. Open a Excel, and generate your item (storage) data you want to show on EPD device, and save as a CSV file.

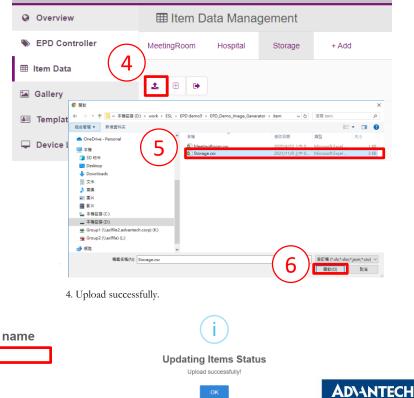
1	A	В	С	D	E	F	G	н	1	J	К
1	Part No	Storage Space	Mfr	Desc	Package	Series	Freq	Memory	Amount	Delivery Date	Owner
2	771-FS32K148UAT0VLQT	CSB3101	NXP Semiconductors	MCU \$32K148 144 LQFP	LQFP-144	\$32K1xx	112 MHz	2 MB	6	2018/3/18	Vicent.Cheng
3	634-JG12B500FGM48C	CSB3101	Silicon Labs	MCU ARM Cortex-M3	QFN-48	EFM32JG12	40 MHz	1024 kB	20	2018/2/25	Thomas.Chen
4	579-ATSAML11E14A-AUT	CSB3104	Microchip Technology	ARM Cortex-M23	TQFP-32	ATSAML11	32 MHz	16 kB	100	2018/5/4	Aaron.Gua
5	771-FS32K146HNT0VLLT	CSB3105	NXP Semiconductors	MCU \$32K144 32-bit	LQFP-100	S32K1xx	80 MHz	1 MB	30	2018/4/16	Oscar.Huang
6	771-FS32K146HNT0VLLV	CSB3201	NXP Semiconductors	MCU \$32K144 32-bit	LQFP-100	S32K1xx	80 MHz	1 MB	30	2018/4/16	Oscar.Huang
7	771-FS32K146HNT0VLLGG	CSB3202	NXP Semiconductors	MCU \$32K144 32-bit	LQFP-100	S32K1xx	80 MHz	1 MB	30	2018/4/16	Oscar.Huang
8	772-FS32K146HNT0VLLGG	CSB3304	NXP Semiconductors	MCU \$32K144 32-bit	LQFP-100	\$32K1xx	80 MHz	1 MB	30	2018/4/16	Oscar.Huang
9	773-FS32K146HNT0VLLGG	CSB3305	NXP Semiconductors	MCU \$32K144 32-bit	LQFP-100	S32K1xx	80 MHz	1 MB	30	2018/4/16	Oscar.Huang
10	774-FS32K146HNT0VLLGG	CSB3401	NXP Semiconductors	MCU \$32K144 32-bit	LQFP-100	S32K1xx	80 MHz	1 MB	30	2018/4/16	Oscar.Huang
11	775-FS32K146HNT0VLLGG	CSB3402	NXP Semiconductors	MCU \$32K144 32-bit	LQFP-100	\$32K1xx	80 MHz	1 MB	30	2018/4/16	Oscar.Huang
12	776-FS32K146HNT0VLLGG	CSB3403	NXP Semiconductors	MCU \$32K144 32-bit	LQFP-100	S32K1xx	80 MHz	1 MB	30	2018/4/16	Oscar.Huang
	Ť				/	7					
	must be an unique ID	the info	imn could b rmation for space (easy ch)								

2. Go to Item Data page on DeviceOn/ePaper, and create a item group named as Storage.



3. Click the upload button and import the item (storage) data you just prepared.

DeviceOn/ePaper



Step 2. Design a template in DeviceOn/ePaper - Canvas

1. Go to Template page, and click the Create a new one option.

	■ DeviceOn/ePap	er	
	Overview	🔁 Template MeetingRoom 🗸 📴 👁 🖀 🕾 👁 🖀 🗮 🔿	
(Import from JSON files Copy from current one	
(Im Data	Create a new one ID date Whole Day Schedule	
	Template	click Me	

2. In the Canvas setting, you can decide the following:

a. EPD Model as EPD-230 (2.9" BW) according to which EPD device you have.

b. Item Data Group as Storage, which is the item (storage) data you just upload as step 1

c. Template Name as Storage_t1.

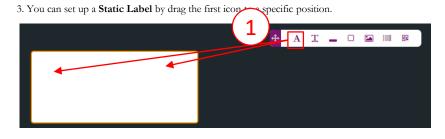
d. Direction as **Landscape** and Display Orientation as **Reverse**, which you can double check by schematic view below. e. Background color



🗆 Canvas		
Name		
Storage_t1		
EPD Model		
EPD-230 (2.9	9" BW)	~
Item Data Group		
Storage		~
Direction		
Landscape		~
Display orientation		
Reverse		~
Background color		
White		~
Grid Line		
No		~
Size (Width x Heig	ht)	
296	x 128	
Schematic view		
	PD-23 <mark>x</mark> emplate	0 0 0

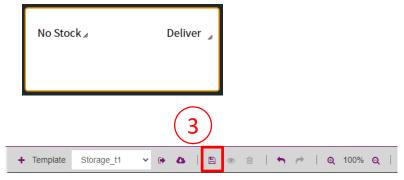


Step 2. Design a template in DeviceOn/ePaper- Label



4. In the Property setting, you can decide the following:

- a. Position and Size
- b. Value, which is the static text you want to show permanently
- c. Font family, Font size, Alignment, Font color, and so on.

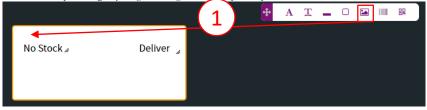


Propert		Mauia					
_	X Axis	Y Axis					
Position	190	25					
	Width	Height					
Size	98	27					
UUID							
a79713e7	-dfe8-42b3-8	92c-44137ea1	7a:				
Value							
Deliver							
Font family	Font family						
Noto San	Noto Sans 🗸						
Font color	Font color						
Black	Black 🗸						
Background c	olor						
White			~				
Font Size							
16px	✓ B ≡	± =					
Show conditio	n	_					
● True O	False 🔿 C	Option					



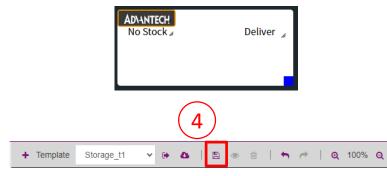
Step 2. Design a template in DeviceOn/ePaper- Image

7. You can set up a Image by drag the Image icon to a specific position.



8. In the Property setting, you can decide the following:

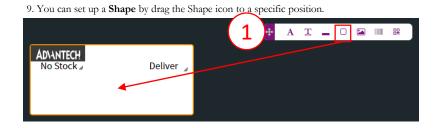
- a. Position and Size
- b. Value, which have two kinds of situations.
 - a. When you choose == User Defined ==, you can upload a Static Image as Logo.
 - b. When you choose others, you assign the column of your item data as image file name
 - (Dynamic Image).
- c. Brightness Enhancement
- d. Dithering Enhancement



	□ Propert	У						
		X Axis	Y Axis					
	Position	0	0					
		Width	Height					
	Size	71	32					
	UUID	UUID						
	f3f9253f-f	f3f9253f-f501-4435-8d30-65e911c9327b						
2	Value							
2	== User Defined == 🗸 🗸							
2	File							
3	選擇檔案 未選擇任何檔案							
	Brightness Enhancement							
	OFF							
	Dithering Treatment							
	OFF							
	Image Ratio (Image Ratio (Position Fixed)						
	Not Set 🗸							
	Show condition							
	🔵 True 🔿	False O Op	tion					



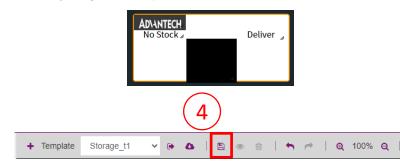
Step 2. Design a template in DeviceOn/ePaper- Shape



10. In the Property setting, you can decide the following:

- a. Position and Size
- b. Value, which you can choose Rectangle, Triangle, and Circle
- c. Line Width
- d. Line Color
- e. Fill Color
- f. Background Color

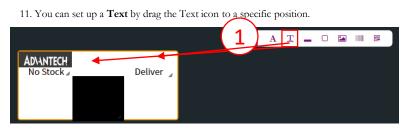
After setting these please save it by click the save icon.



		X Axis	Y Axis			
	Position	99.1719	45.4062			
		Width	Height			
	Size	95	83			
	UUID					
_	4219690b-5	ffc-4866-aefc-6	6dedc8b155f9			
2),	Value					
フ	Rectangle		~			
	Line Width					
	1 px		~			
	Line color					
	Black					
3)	Filled color					
ノ	Black					
	Background cold	٦C				
	Black		~			
	Show condition					
	● True () F	alse 🔿 Opti	on			



Step 2. Design a template in DeviceOn/ePaper- Text



12. In the Property setting, you can decide the following:

- a. Position and Size
- b. Value, which you can choose the column of your item (storage) data
- c. Font family, Font size, Alignment, Font color, and so on.

After setting these please save it by click the save icon.

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Ξ	r1	0	р	е	r	τy	

		X Axis		Y Axis					
	Position	108	\$	53					
		Width		Height					
	Size	78		23					
	UUID	UUID							
	52d30542-925f-4a35-8213-c177e6e183a								
2)	Value								
5	Amount								
	Font family								
	Noto Sans			~					
	Font color								
	White			~					
	Background col	or							
	Transparer	nt		~					
	Font Size								
	48px 🗸	В≡	±	=					
	Show condition								
	O True ○ I	False 🔿 O	ptio	n					

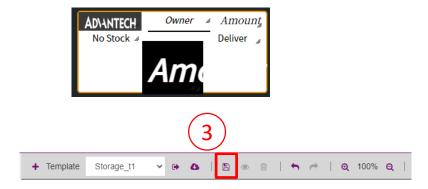


Step 2. Design a template in DeviceOn/ePaper- Line



6. In the Property setting, you can decide the following:

- a. Position and Size
- b. Direction, which is Horizontal or Vertical
- c. Line color
- d. Line Width

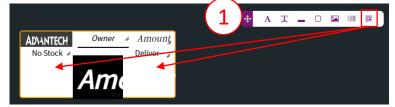


	□ Property							
		X Axis	Y Axis					
	Position	106.281	20.4062					
		Width	Height					
	Size	97	10					
	UUID							
	dbe84115-3d5c-477e-824c-56d7239d0cl							
	Direction							
	Horizontal							
	Line color							
	Black							
	Line Width							
	2 px							
	Show condition							
	True False Option							



Step 2. Design a template in DeviceOn/ePaper- QR Code

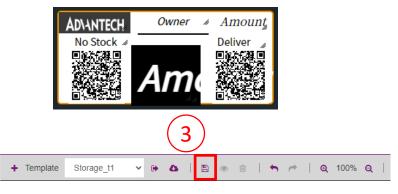
13. You can set up a **QR Code** by drag the QR Code icon to a specific position.



14. In the Property setting, you can decide the following:

- a. Position and Size
- b. Value, which have two kinds of situations.
 - a. When you choose == User Defined ==, you can assign it as a Static Data by fill in the data in Sample field.
 - b. When you choose others, you assign the column of your item data as **Dynamic Data**.

After setting these please save it by click the save icon.



Property

2

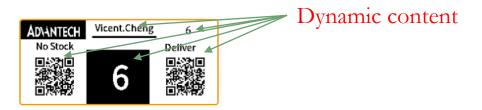
	Position	X Axis	Y Axis					
		208	48					
		Width	Height					
	Size	75	75					
	UUID							
	206d374d-a9eb-4217-9ec3-654e4ab71b							
)	Value							
	Deliver 🗸							
	Sample							
	https://www.mouser.tw/advantech/feature							
	Show condition							
	● True ○ False ○ Option							



Step 2. Design a template in DeviceOn/ePaper- Preview

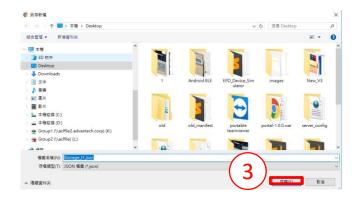
15. You can click the preview icon to give the first view of your template. You can modified and save it if necessary.

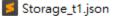




16. You also can export as a JSON file as a copy in case next time you want to use it in another server.







2022/2/7 上午 09... JSON 檔案



Step 3. Bind your item (storage) data and template to EPD device

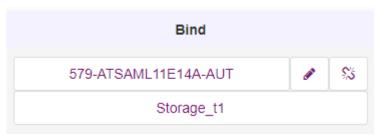
DeviceOn/ePaper 🔸 🗘 🙆 🐼 root Overview Sept Controlling Management Sept Controller Account root + Group -- Default --Status All Mode Device -Item Data 1 8 2 0 0 Search 🔚 Gallery Status Power RSSI Tag Name Bind Action Update Time Template EPD-230 (2.9" BW) ∇ Not-set С ۲ ~ 5 2 EPD-Tag-561806 Idle 🖵 Device List -65dBm Preview Refresh Transmit Cancel Monitor More Storage 13

1. Go to the EPD Controller page, choose the EPD device you want to bind with. Click the Bind action as below.

2. Bind uploaded item and pre-designed template.



3. Bind template and data successfully.





Step 4. Trigger the transmit command on EPD device

1. Go to the EPD Controller page, choose the EPD device you want to transmit the image. Please click the Transmit Action as below.

(1	DeviceOn/ePap	In/ePaper											4 ⁴ 0	8 root
$\overline{}$	Overview	🏷 EPD C	Controlling	Manager	nent									
ļ	EPD Controller	Account	ro	ot	- Group	Default	. •	Status	All	•	Mode	Device -		
	Item Data	1 ? 3	c o							\bigcirc		Search		III •
		Status 🔶	Power 🔶	RSSI 🕴	Tag Name			Bind			Action		Update Ti	me 🕴
	Template Device List	• Idle	-	∽ -65dBm	 EPD-230 (2.9" BW) EPD-Tag-561806 00000001-0000-0000-0012-4b0016561806 		579-ATS	AML11E14A-AUT Storage_t1		●	⊃ 🗠 mit Cancel Monitor More		-	

2. You can decide the following transmit parameters:

- a. Which page
- b. Refresh immediately after transmit
- c. Blink LED lights or not after transmit

	Which page in EPD Tag:								
1									
Refresh Aft	er Transmit?		ON						
	With Blir	king LED?							
	W/O LED	•							
3	Auto Retry	y Jobs -							
	ок	Cancel							

Transmit Image Options

3. Send command successfully.

Status	÷	Power	\$ RSSI 🔶	Tag Name	
1 Job		-	∽ -65dBm	EPD-230 (2.9" BW) EPD-Tag-561806 00000001-0000-0000-0012-4b0016561806	



Select the new template in the NFC agent

	ePaper Mana	ager						C	USB Port COM3 ~ Refresh
eue N	Iode Basic	Mode							
Step	1. Select a tem	iplate.						s	tep 3. Draw the image.
Stor	age_t1	~							Draw
	Demo1								Tin cont Chong
•	Demo2								ADVANTECH Vincent. Cheng 6
•	Demo3								No_Stock Deliver
	210_Card_2 210-demo								
	-230B_White								
	-P2L-Off								
RMA	-P2L-On								
	title Template-3 title Template-4		view the image.						
				Package	Series	Freq	Memory	Amount	Deliver
			chip Technology	TOFP-32	ATSAML11	32 MHz	10 kB	100	https://www.mouser.tw/advantech/fea
	自動化展-4		emiconductors	LQFP-100	S32K1xx	80 MHz	10 KD	99	https://www.mouser.tw/advantech/fee
	灣自動化展-EPD-210			LOFP-100	\$32K1XX	80 MHz	1 MB	5	https://www.mouser.tw/advantech/fea
	自動化展_EPD-	-250	emiconductors	~				-	
台灣	灣自動化展-EPD-230-2			LQFP-100	S32K1xx	80 MHz	1 MB	12	https://www.mouser.tw/advantech/fea
	.44 32-bit	NXP S	emiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	30	https://www.mouser.tw/advantech/fea
	.44 32-bit	NXP S	emiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	38	https://www.mouser.tw/advantech/fea
•	.44 32-bit	NXP S	emiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	6	https://www.mouser.tw/advantech/fea
	44 32-bit	NXP S	emiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	30	https://www.mouser.tw/advantech/fea
	.44 32-bit NXP Sei		emiconductors	LQFP-100	S32K1xx	80 MHz	1 MB	30	https://www.mouser.tw/advantech/fea
									~
<									>



Click "Draw" to flash image on the EPD-210

ePape Queue Mode	er Manager Basic Mode	USB Port COM3	~ Refresh
Step 1. Sele	ct a template.	Step 3. Draw the image.	SendData 66%

Step 2. Click a row to preview the image.

		Package	Series	Freq	Memory	Amount	Deliver	Delivery Date
	ors	LQFP-144	S32K1xx	112 MHz	2 MB	15	https://www.mouser.tw/advantech/featured-products/	2021/10/28
		QFN-48	EFM32JG12	40 MHz	1024 kB	20	https://www.mouser.tw/advantech/featured-products/	2021/10/28
	logy	TQFP-32	ATSAML11	32 MHz	10 kB	100	https://www.mouser.tw/advantech/featured-products/	2021/10/28
Þ	ors	LQFP-100	S32K1xx	80 MHz	1 MB	6	https://www.mouser.tw/advantech/featured-products/	2021/10/28
	ors	LQFP-100	S32K1xx	80 MHz	1 MB	99	https://www.mouser.tw/advantech/featured-products/	2021/10/28
	ors	LQFP-100	S32K1xx	80 MHz	1 MB	5	https://www.mouser.tw/advantech/featured-products/	2021/10/28
	ors	LQFP-100	S32K1xx	80 MHz	1 MB	12	https://www.mouser.tw/advantech/featured-products/	2021/10/28
	ors	LQFP-100	S32K1xx	80 MHz	1 MB	30	https://www.mouser.tw/advantech/featured-products/	2021/10/28
	ors	LQFP-100	S32K1xx	80 MHz	1 MB	38	https://www.mouser.tw/advantech/featured-products/	2021/10/28
	ors	LQFP-100	S32K1xx	80 MHz	1 MB	30	https://www.mouser.tw/advantech/featured-products/	2021/10/28
<								>



Go Together, We Go Far and Grow Big

