# 23. HMI Supported Printers

This chapter describes the printers supported by HMI and the setup steps.

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### **23.1.** The Supported Printer Types

HMI supported printer drivers include the following types:

Printer type	Description
• SP-M, D, E, F	Serial printers, please configure communication
	parameters to match the printer. [Pixels of width]
	must be correctly set and can't exceed printer
	default setting:
	100 pixels for 1610 series printers.
	220 pixels for 2407, 4004 series printers.
	The driver uses EPSON ESC Protocol for Serial
	Micro Printer.
EPSON ESC/P2 Series	Serial printers, please configure communication
	parameters to match the printer.
	The ESPON ESC/P2 printer protocol is used.
1	Impact Printer: LQ-300, LQ-300+, LQ-300K+
	(RS-232), LQ-300+II (RS-232)
6	Inkjet Printer: Stylus Photo 750
	Laser Printer: EPL-5800
HP PCL Series (USB)	HP compatible USB printers that support HP PCL5
	protocol or PostScript3 Printer Control Language.
	The printers that support PCL5 or later versions will
000	support PCL5 protocol due to the downward
2	compatibility of PCL.



Axiohm A630

SPRT



• EPSON TM-L90



EPSON TM-T70



BRIGHTEK WH-A19



Micro printer from France connects via serial port; please configure communication parameters to match the printer.

Serial printers, please configure communication parameters to match the printer. [Pixels of width] must be correctly set and can't exceed printer default setting "100".

Serial printers, please configure communication parameters to match the printer. [Pixels of width] must be correctly set and can't exceed printer default setting "576".

Serial printers, please configure communication parameters to match the printer. [Pixels of width] must be correctly set and can't exceed printer default setting "576".

The paper cutting mode can be selected: [No cut] / [Partial cut].

Supported models: A92R10-00E72A 72 in model number represents hexadecimal printer, and A represents wide voltage 5~9V. This is the same as the A6 16 impact printer.



BRIGHTEK WH-E19



BRIGHTEK WH-E22



BRIGHTEK WH-C1/C2



Serial printers, please configure communication parameters to match the printer. The paper cutting mode can be selected: [No cut] / [Half cut] / Full cut].

E22R10-00E725: Same as A7 16 impact printer.

E221R90-00E11740GA: Serial printer, connects through RS-485 port, please use a RS232-to-RS485

Serial printers, please configure the same

communication parameters as the printer.

Supported models:

converter.

A7 represents A72R90-31E72A.

Remote Printer Server



Use EasyPrinter to start printing by the printers connected with PC via Ethernet. This works under MS Windows so most printers on the market are supported.



#### 23.2. Steps to Add a New Printer and Start Printing

- **1.** Add printer type.
- In [System Parameter Settings] » [Model] select the printer type and set the relevant parameters.

Extended N	femory	Printer/Back	up Server	e-Mai		Recipes
Device	Model	General	System Sett	ing	Security	Font
HMI n HMI static Po	nodel : eMT30 on no : 0 rt no. : 8000	70 (800 x 480) • (use	ed as MODBUS se	erver's port no	p.)	•
limer						
rinter						
rinter	Type : SP-M, I	D, E, F	•	]		
rinter	Type : SP-M, I COM : SP-M,	D, E, F D. E. F				
Printer Bau	Type : SP-M, COM : None SP-M, d rate : EPSON HP PCI	D, E, F C, E, F ESC/P2 Series , Series (USB) 1 A630	•	bits : 8 Bi	ts	•
Printer Baw	Type : SP-M, COM : None d rate : EPSON HP PCI Parity : Axiohn SPRT ( SPRT (	D, E, F ESC/P2 Series , Series (USB) 1 A630 SP-DIII, DIV, D5, TM-1.90	• D6, A, DN, T)	bits : 8 Bi bits : 1 Bi	ts t	•
'rinter Baw J Pixels of '	Type : SP-M, COM : None Brate : EFSON HP PCI Parity : SFRT ( width : EFSON EFSON EFSON BRIGH	D, E, F ESC/P2 Series . Series (USB) 1 A630 SP-DIII, DIV, D5, TM-L90 TM-T70 TEK WH-E19 TEK WH-C1/C2	D6, A, DN, T)	bits : 8 Bi bits : 1 Bi scale : 100 or 2407, 40	ts t % O4 type)	•
Printer Bau Pixels of f	Type : SP-M, COM : Nome d rate : HP POL Parity : Axiohn SPR T ( width : EPSON BRIGH	D, E, F ESC/P2 Series Scries (USB) 1 A630 SP-DIL, DIV, D5, TM-L90 TM-T70 TEK WH-E19 TEK WH-C1/C2	• D6, A, DN, T)	bits : 8 Bi bits : 1 Bi scale : 100 or 2407, 40	ts t % O4 type)	•
Printer Bau J Pixels of Scroll bar	Type : SP-M, COM : None SP2M, d rate : HP PCI Parity : SPR I ( width : EPSON BRIGH Width :	D, E, F E, E, F ESC/P2 Series . Series . Series . M630 SP-DIII, DIV, D5, TM-170 TEK WH-E19 TEK WH-C1/C2 © Small	D6, A, DN, T)	bits : 8 Bi bits : 1 Bi scale : 100 or 2407, 40	ts t % O4 type) ge	•

• To connect Remote Printer Server, set the parameters in [System Parameter Settings] » [Printer/Backup Server].

Device M	odel	General	System Setti	ng	Security	Font
Extended Memor	У	Printer/Back	up Server	e	-Mail	Recipes
✓ Use Remote Prin Note: Use EasyPrin tutput settings Orientation Printer size Margin	ter/Backup ler to config :	Server gave PC for print contal A nal size 0 0 0 0	ng screen hardco Vertical [ Fit to printer mm 0 mm	py and margin:	storing backup o S	lata.
Communication setti	ngs					
IP address	: 192	. 168 . 1	. 20			
Port	: 8005					
	: admin					
U ser name						



- 2. Start printing.
- Start printing with Function Key.

eneral	Security	Shane	Lahel	1			
	Commit	in the po	Dabor				 _
	Comment	· .					
<b>A</b>	ctivate after	r button i:	: released				
0	Change full	-screen w	indow		*		
-							
Кеуbo	ard input						
0[	Enter]		Ŧ				
© E:	kecute mac:	m					
© W	indow title	bar					
Hard c	opy screen	to USB d	isk, SD ca	rd or printer			
💿 Sc	reen hardc	ору		Output to	SP-M, D,	E, F	•
R	otate image	90 degre	es	Mode	grayscale		•
* If it	t is necessar	y to custo	omize filen	ames, please us	e [PLC Con	trol] object	
O In	nport user d	lata/Use [	USB Secu	city Key]			
Notific	ation	T					
	1	_ Enable					

• Or, use PLC Control [Screen hardcopy] to start printing with a designated bit address.



Comment					
Device	: Local HMI				
Attribute					
Туре	: Screen ha	rdcopy			•
Active only	when design	ated window ope	ned		
		🕅 Rotate ima	ige 90 degrees		
			-		
Trigger address					
Device :	cal HMI			v	Settings
Address : LE	1	▼ 0	]		
Screen hardcopy					
Trigger mode	: OFF->ON			•]	
Source window					
Current base	window	Window no. fr	m register	C Desig	nate window no
	initiation (		an register	Obcolg	
	cal HMI			*	Settings
Address : LV	V	• 0	1		16-bit Unsigned
	: SP-M, D, E	E, F	<ul> <li>Mode :</li> </ul>	black a	and white 🔹
Output to					

#### 23.3. Installing Network Printer on cMT HMI

Opening system setting on a cMT Series model and select [Install network printer] can install more printers apart from the ones listed in the preceding chapters.

1. Tap 🧐 to open system setting and log in, find [Printer] » [Install network printer].

Setting	Printer	
System setting	Printer name	Not installed
VNC Setting	URI	
4 EasyAccess 2.0	Install network printer	>
Language		
🏧 Input Method		
Printer		
X OS Upgrade		

2. HMI needs a few seconds to search for the network printers on the same network.

System setting	HP Laserlet Professional P1606dn	(
,	socket://192.168.1.10	Install
VNC Setting	Officejet Pro 8100 N811a socket://192.168.1.77:9100	Install
🔁 EasyAccess 2.0	Officejet Pro 6230 ePrinter socket://192.168.1.82:9100	Install
Language	RICOH Aficio MP C5000 socket://192.168.1.9	Install
🏧 Input Method		
Printer		
X OS Ungrade		

**3.** Select a network printer and tap [Install] to install its driver. The new printer driver will replace the former one since only one printer can be installed at a time.





The network printer is ready for use after installation is completed. 4.







#### 23.4. Installing PPD File on cMT HMI

Installing the PPD file from a printer driver on a cMT Series model is also possible.

**1.** Go to [System Parameter Settings] » [Model] tab.

Extende	ed Memory	Time Syn	ic./DST	e-h	fail	Recipes	Cellul	ar Data Network
Device	Model	General	System	Setting	Security	Non-AS	CII Fonts	Font Mapping
	HMI model :	eMT3151 (10	24 x 768)					•]
		(-	1					
Н	MI station no :	•						
	Port no. :	8000						
		Support iE	XE/eMT/m	TV HMI	communicati	loootora a		
		support its	ALICET I'M.	11 / 111/11	communicatio	511 protocor		
Printer								
Tunel							a	
	Type :	-	HF Busine	ss Inkjet 2	600		Status/C	iontrol
	Paper Size :	A4	-					
	201111 205							
	Interface							
	Interface	Ethernet		🔘 USB				
	Interface IP :	Ethernet 192	10	O USB	1	1	65) 65)	24
	Interface IP : Port :	<ul> <li>Ethernet</li> <li>192</li> <li>9100</li> </ul>	 	) USB 168		1	10	24
	Interface IP : Port :	<ul> <li>Ethernet</li> <li>192</li> <li>9100</li> </ul>		) USB 168	18	1	10	24
	Interface IP : Port :	Ethernet 192 9100		© USB 168	1	1	10	24
	Interface IP : Port :	<ul> <li>Ethernet</li> <li>192</li> <li>9100</li> </ul>		© USB 168	8	1	28	24
	Interface IP : Port :	<ul> <li>Ethernet</li> <li>192</li> <li>9100</li> </ul>	22	© USB 168	12	1	15	24
	Interface IP : Port :	<ul> <li>Ethernet</li> <li>192</li> <li>9100</li> </ul>	20	© USB 168	18	1	25	24
	Interface IP : Port :	Ethernet 192 9100		© USB 168	8 <u>.</u> 8	1	20	24
	Interface IP : Port :	Ethermet 192 9100		© USB 168	.8	1	15	24
Pass thm	Interface IP : Port :	Ethernet     192 9100		O USB 168	18	ĩ	15	24
Pass that	Interface IP : Port : Dough (Virtual C	© Ethernet 192 9100 OM port)		© USB 168	n a	1	25 	24
Pass three	Interface IP : Port : Dough (Virtual C Port no. :	© Ethernet 192 9100 OM port) 2000		© USB 166	))	1	2	24
Pass three	Interface IP : Port : Dough (Virtual C Port no. :	© Ethemet 192 9100 COM port) 2000	(2	© USB 166	)	1	E	24

2. Select a printer type. To add a new printer, place the printer's PPD file in the ppd folder under EasyBuilder Pro installation directory, and then click [Refresh].

1anufacturers	Printers	
None HP	HP Business Inkjet 2230 HP Deskjet 3050a j611 Series HP Officejet 4100 Series HP LaserJet cm 1412fn HP LaserJet 1220se HP Deskjet 540 HP Deskjet Ink Advant k209a-z HP Photosmart d5100 Series HP Photosmart d5100 Series HP Officejet r45 HP Business Inkjet 2800 HP LaserJet p2035n	
	HP Business Inkjet 2600 HP Business Inkjet 3000 HP Officejet Pro X451-X551 Printer HP Color LaserJet M855 HP Color LaserJet CM4730 MFP HP Color LaserJet cp3505 HP Deskjet 500 HP Photosmart c4600 Series	-



 Use Status Address to monitor printer status, and use Control Address to dynamically update connection parameters.

Device :	🔽 Enable			
Device ·				
Device i	Local HMI		•	Settings
Address :	LW	• 0		
Status	:LW-0			
	(0:not ready,	1 : initializing, 2 : rea	ady, 3 : printing, 4 :	disabled )
Error	:LW-0 + 1			
	(0:none,1:n	o device, 2 : unknov	vn error)	
trol addres	9			
	🔽 Enable			
Device :	Local HMI		•	Settings
Address :	LW	• 0		
Command	:LW-0			
	(0:none, 1:u	pdate, 2 : enable )		
Interface	:LW-0 + 1			
	(0:Ethernet,	1 : USB)		
IP	:LW-0 + 2 (4 wo	rds)		

## Note

- Installing PPD file is not supported on cMT-SVR and cMT Gateway models.
- HP printers are recommended since they may have better compatibility with cMT models.
   Printers should be tested beforehand.
- Please install a printer on a cMT Series model by using [Install network printer] in the system setting first; if this doesn't work, installing PPD file is the second option.
- To use the printer selected in the project file, please do not select [Use printer on HMI first (if existed)] option if a printer driver is already installed on HMI. By giving command 1: update in the control address, the printer selected in the project file will be used.





Centinai	Data Network	T	ime Sync./DST	e-b	(ail	Recipe Database
Device	Model	General	System	Remote	Security	Extended Memor
	HMI model : 🔽	MT3072 (1024	x 600)		• I	Landscape 👻
HM	I station no. : 🖸	<b>•</b>				
	Port no : S	000				
		Support iE/XE	/eMT/mTV HMI o	ommunication j	protocol and Es	asy Watch
Printer	Type : [ Paper Size : ]	4	HP Officejet x45		·•)	Status/Control
Printer	Type : [ Paper Size : ] Use printer on F	1.4 IMI first (if exis	HP Officejet r45 led). Otherwise, in	 stall the printer v	vith the settings	Status/Control
Printer	Type : [ Paper Size : ] Use printer on F iterface	). MI first (if exist) Ethernet	HP Officejet r45	 stall the printer v	·▼	Siatus/Control
Printer Ir	Type : [ Paper Size : ] Use printer on F iterface	). MI first (if exist) Ethernet	HP Officejet r45	 stall the printer v	·▼	Status/Control
'rinter	Type : [] Paper Size : [] Use printer on F iterface IP : []	۱۸۹ ۱۸۹۱ first (if exis Ethernet ۱۹۶2 . 168 .	HP Officejet r45	 stall the printer v	vith the settings	Status/Control

