

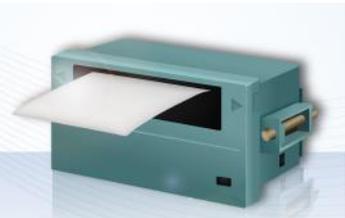
23. HMI Supported Printers

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

23.1. The Supported Printer Types	23-2
23.2. Steps to Add a New Printer and Start Printing	23-5
23.3. Installing Network Printer on cMT HMI.....	23-7
23.4. Installing PPD File on cMT HMI.....	23-10

23.1. The Supported Printer Types

HMI supported printer drivers include the following types:

Printer type	Description
<ul style="list-style-type: none"> <li data-bbox="172 495 400 524">● SP-M, D, E, F 	<p data-bbox="722 495 1366 667">Serial printers, please configure communication parameters to match the printer. [Pixels of width] must be correctly set and can't exceed printer default setting:</p> <p data-bbox="722 685 1166 714">100 pixels for 1610 series printers.</p> <p data-bbox="722 732 1246 761">220 pixels for 2407, 4004 series printers.</p> <p data-bbox="722 779 1315 853">The driver uses EPSON ESC Protocol for Serial Micro Printer.</p>
<ul style="list-style-type: none"> <li data-bbox="172 875 517 904">● EPSON ESC/P2 Series 	<p data-bbox="722 875 1345 949">Serial printers, please configure communication parameters to match the printer.</p> <p data-bbox="722 967 1286 996">The ESPON ESC/P2 printer protocol is used.</p> <p data-bbox="722 1014 1286 1088">Impact Printer: LQ-300, LQ-300+, LQ-300K+ (RS-232), LQ-300+II (RS-232)</p> <p data-bbox="722 1106 1126 1135">Inkjet Printer: Stylus Photo 750</p> <p data-bbox="722 1153 1023 1182">Laser Printer: EPL-5800</p>
<ul style="list-style-type: none"> <li data-bbox="172 1256 496 1285">● HP PCL Series (USB) 	<p data-bbox="722 1256 1390 1330">HP compatible USB printers that support HP PCL5 protocol or PostScript3 Printer Control Language.</p> <p data-bbox="722 1348 1390 1487">The printers that support PCL5 or later versions will support PCL5 protocol due to the downward compatibility of PCL.</p>

- **Axiohm A630**



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

- **SPRT**



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".

- **EPSON TM-L90**



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".

- **EPSON TM-T70**



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].

- **BRIGHTTEK WH-A19**



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.

- **BRIGHTTEK WH-E19**



Serial printers, please configure the same communication parameters as the printer.

- **BRIGHTTEK WH-E22**



Supported models:

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

A7 represents A72R90-31E72A.

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

- **BRIGHTTEK 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].

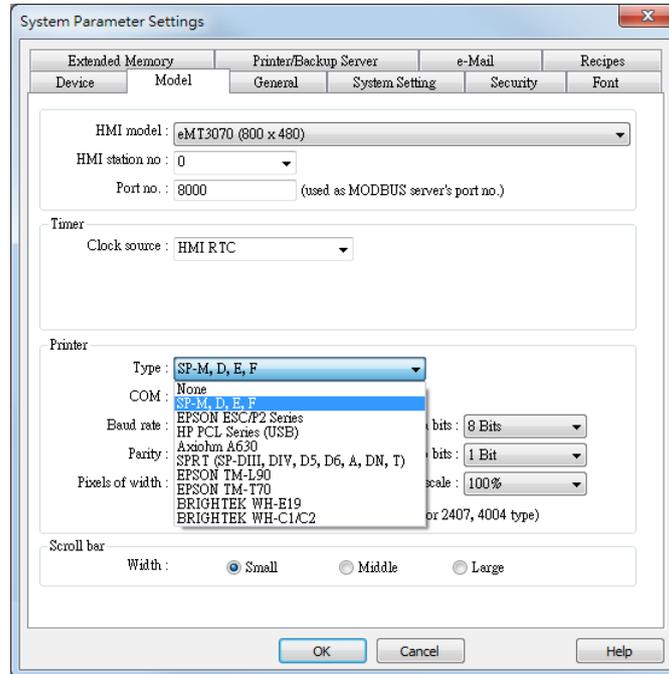
- **Remote Printer Server**



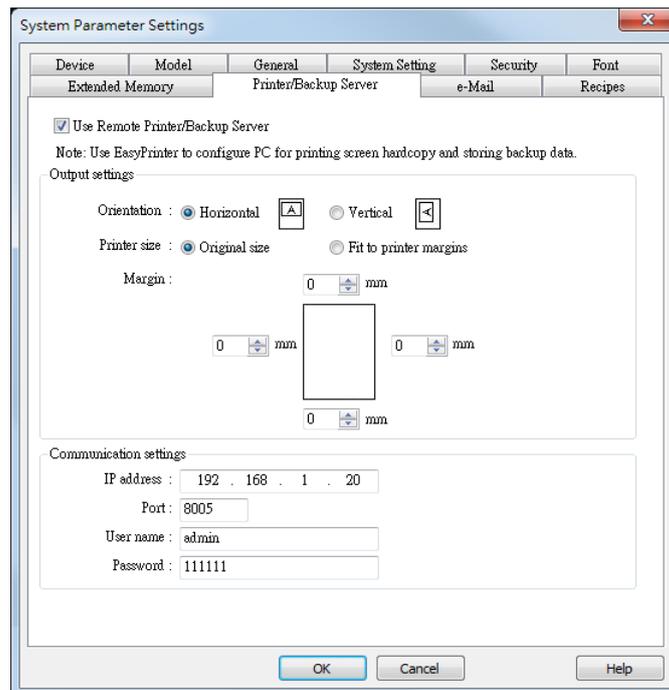
Use EasyPrinter to start printing by the printers connected with PC via Ethernet. This works under MS Windows so most printers on the market are supported.

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.



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



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

New Function Key Object

General Security Shape Label

Comment :

Activate after button is released

Change full-screen window

Keyboard input

[Enter]

Execute macro

Window title bar

Hard copy screen to USB disk, SD card or printer

Screen hardcopy Output to : SP-M, D, E, F

Rotate image 90 degrees Mode : grayscale

* If it is necessary to customize filenames, please use [PLC Control] object.

Import user data/Use [USB Security Key]

Notification Enable

OK Cancel Help

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

PLC Control

Comment :

Device : Local HMI

Attribute

Type : Screen hardcopy

Active only when designated window opened

Rotate image 90 degrees

Trigger address

Device : Local HMI

Address : LB 0

Screen hardcopy

Trigger mode : OFF->ON

Source window

Current base window Window no. from register Designate window no.

Device : Local HMI

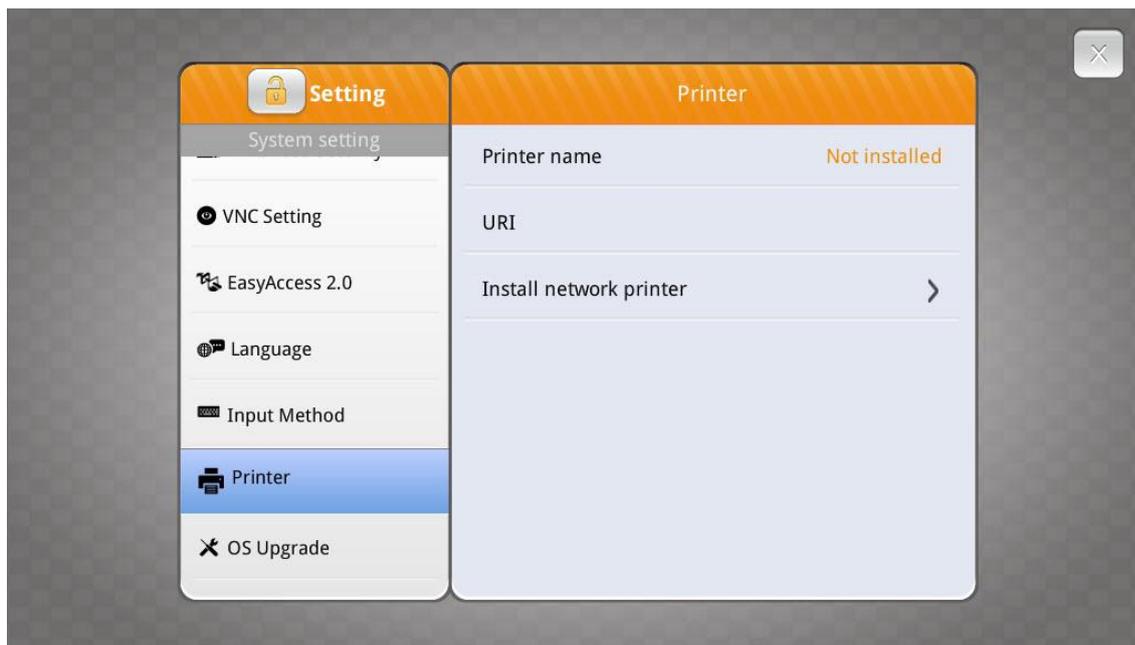
Address : LW 0 16-bit Unsigned

Output to : SP-M, D, E, F Mode : black and white

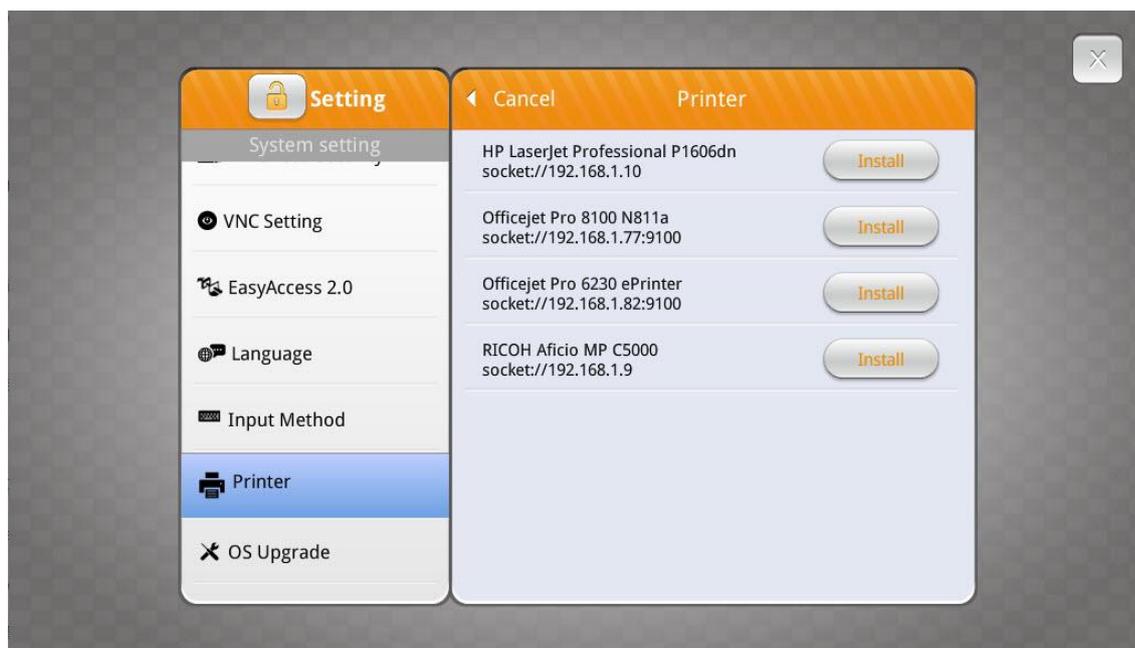
23.3. Installing Network Printer on cMT HMI

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.

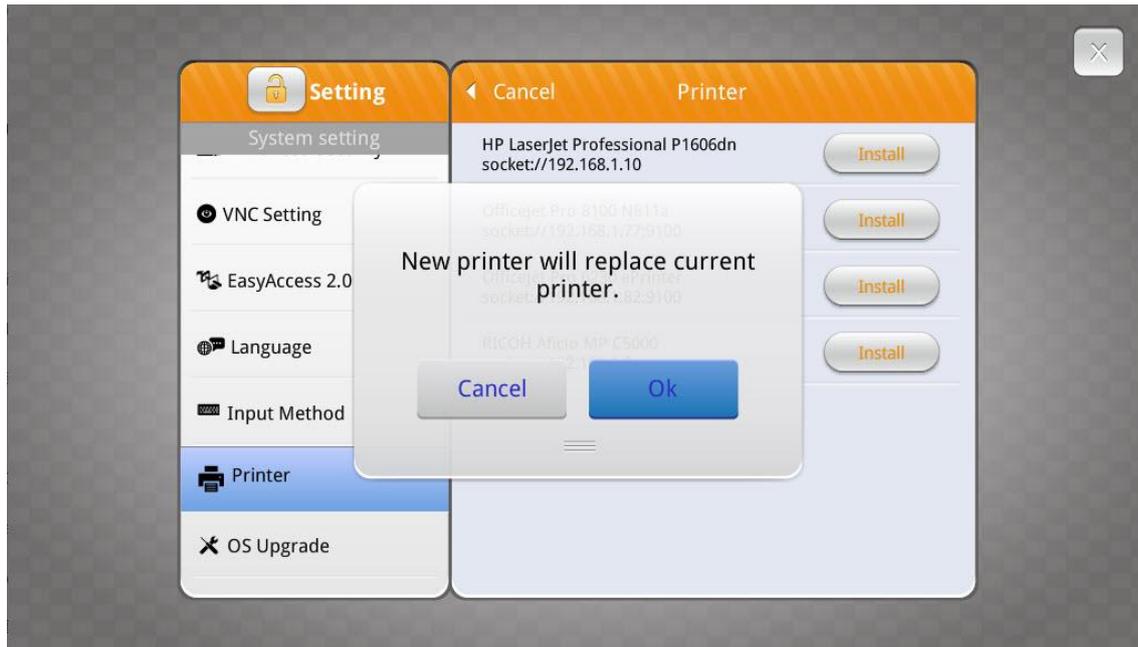
1. Tap  to open system setting and log in, find [Printer] » [Install network printer].



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



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.

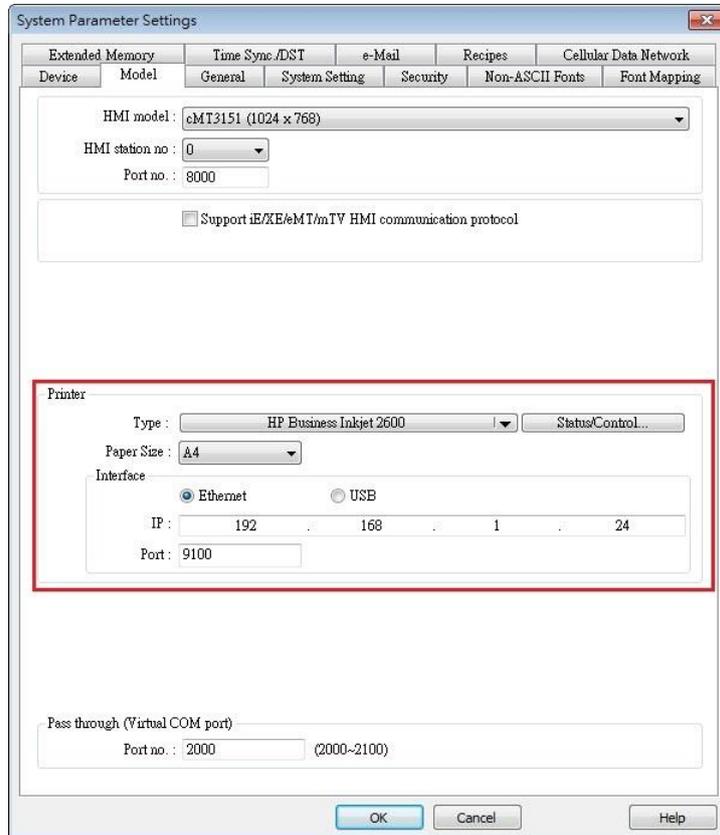


4. The network printer is ready for use after installation is completed.

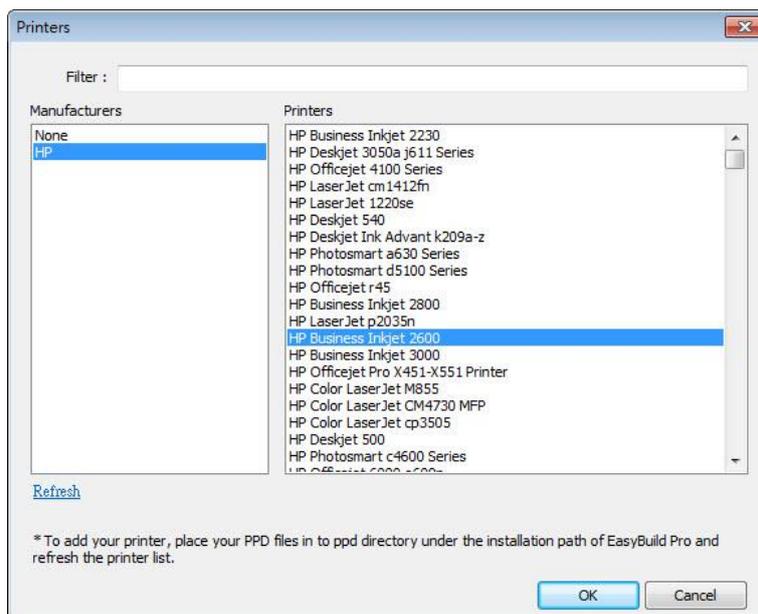
23.4. Installing PPD File on cMT HMI

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

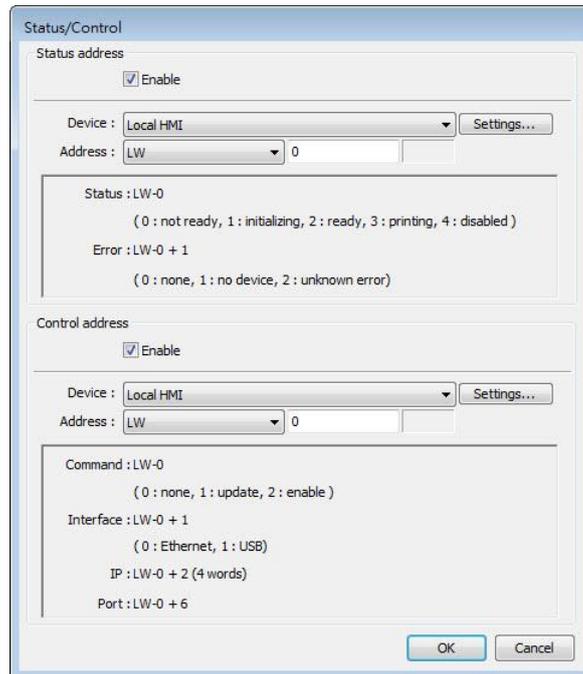
1. Go to [System Parameter Settings] » [Model] tab.



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].



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



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.

