



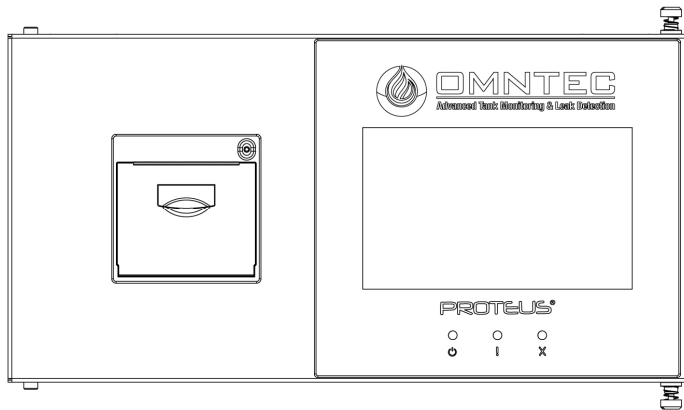
OMNTEC
Advanced Tank Monitoring & Leak Detection



1. Open the camera app
2. Focus the camera on the QR code by gently tapping the code
3. Follow the instructions on the screen to view PDF file

PROTEUS®

PRINTING VIA CUPS INTERFACE



PROTEUS® Series TANK GAUGING SYSTEM

Revision 2325

Document No. 500185

OMNTEC Mfg., Inc. has been certified
by DQS Inc. to ISO 9001:2015

The following procedure will associate a network printer with a PROTEUS® (OEL8000III) K/X controller utilizing the CUPS interface. Most modern printers will support IPP (Internet Printing Protocol), and this is preferred. AppSocket is an alternate if IPP is not supported. IPP typically uses port 631. The socket style URI (known as AppSocket or 9100 printing) typically uses port 9100.

It is critical to note that the CUPS interface is only available on PROTEUS® controllers with an MCU INITIAL VERSION of P001AJ or later. To confirm the MCU initial version of your PROTEUS®, via its web server, go to REPORTS. From the Report dropdown, choose UPDATE, then click SUBMIT.

PROCEDURE FOR ADDING A PRINTER (ASSUMING THE PRINTER IS IPP-SUPPORTED):

- 1) Using a computer, on the same network as the PROTEUS®, login to the PROTEUS® web server via web browser by typing the IP address into your web browser's URL field. Determine the IP address of the PROTEUS® controller through its display by navigating to UTILITIES > HELP MENU > REMOTE SETTINGS.

Once you've inputted the IP address into your web browser's URL field, press **ENTER**. You are redirected to the home screen of your PROTEUS® controller. (See Figure 1).



Figure 1

- 2) Click on **SETUP** from the home screen (see Figure 1). Login (default username is **admin** and the password is **000000**) and click the **LOGIN** button. (See Figure 2).

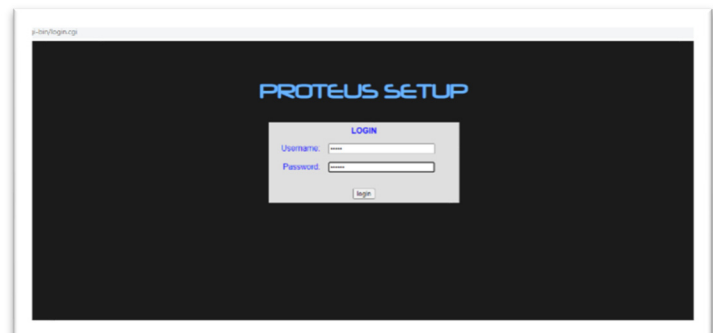


Figure 2

- 3) Click on **PRINTER SETUP** from the **SETUP MENU** screen (see Figure 3). This will redirect you to the CUPS interface webpage for the PROTEUS® unit you are configuring.

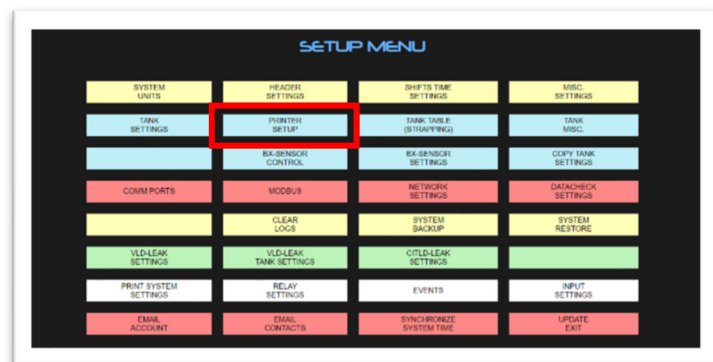


Figure 3

- 4) On the CUPS interface webpage, click on **ADMINISTRATION** at the top of the page within the black header menu bar. (See Figure 4).

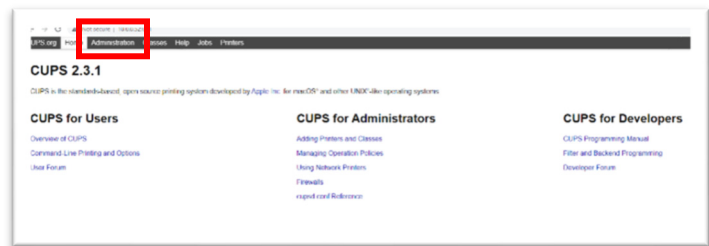


Figure 4

- 5) Click on the **ADD PRINTER** button under the **PRINTERS** category section. (See Figure 5).



Figure 5

- 6) When prompted for a username and password, use **lpadmin** (username) and **000000** (password). **Note:** the first character of the username is a lower-case "l".

- 7) Select the **INTERNET PRINTING PROTOCOL (IPP)** radio button in the **OTHER NETWORK PRINTERS** section. Click the **CONTINUE** button. (See Figure 6).

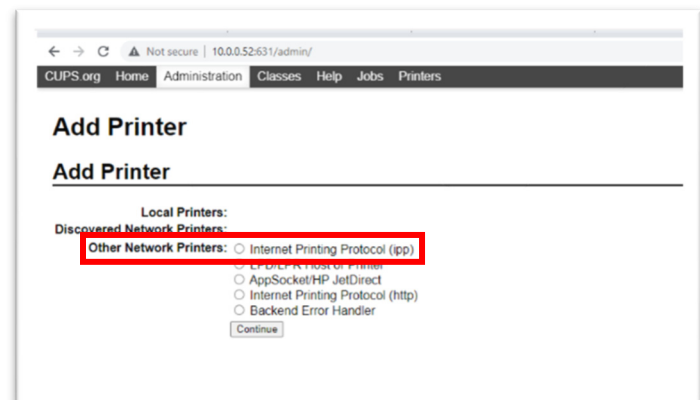


Figure 6

- 8) In the **CONNECTION (URI)** field, type `ipp://(printerhostname-or-ip)/ipp/print` (where printerhostname-or-ip is the hostname or IP of the printer you want to add). For example: **ipp://10.0.0.94/ipp/print**. Then click the **CONTINUE** button. (See Figure 7).

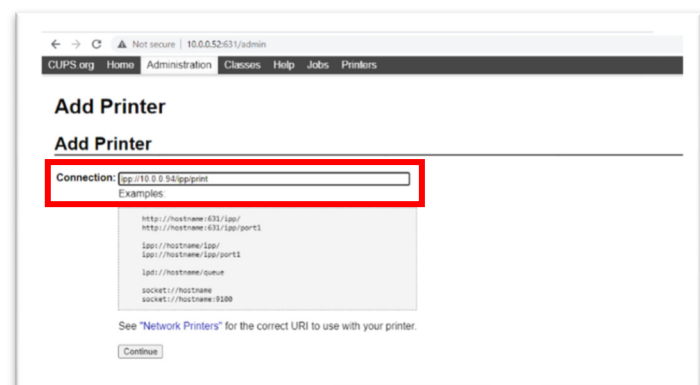


Figure 7

- 9) Input the **NAME**, **DESCRIPTION**, and **LOCATION** field data (see Figure 8). Only the **NAME** field is a required field, and it cannot contain “/” and “#” characters, or spaces. The **NAME** field is simply a reference name for that printer. Do not check the **SHARE THIS PRINTER** box. Click the **CONTINUE** button.

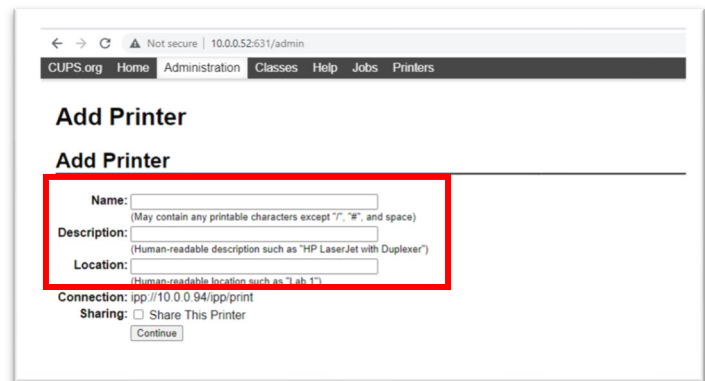


Figure 8

- 10) Select the **GENERIC** option from within the **MAKE:** section. Click the **CONTINUE** button. (See Figure 9).

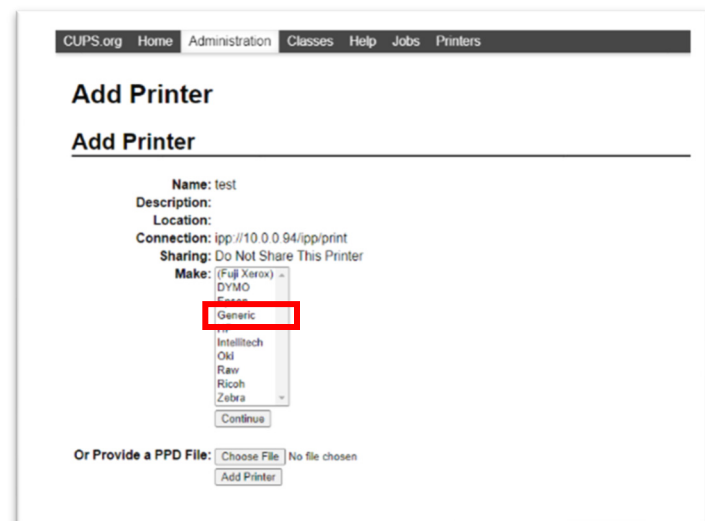


Figure 9

- 11) Select the **GENERIC TEXT-ONLY PRINTER (EN)** option from within the **MODEL:** section. Click the **ADD PRINTER** button. (See Figure 10).

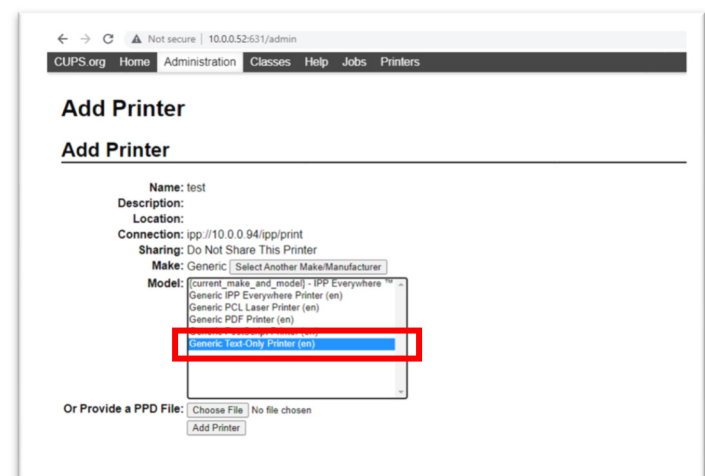


Figure 10

- 12) The next page is the **SET PRINTER OPTIONS** page (see Figure 11). The defaults (under the **GENERAL** header section) are typical. For a standard US letter (8.5" x 11") media size, you can click the **OPTIONS INSTALLED** header section to customize the number of lines so that printouts will properly span pages.

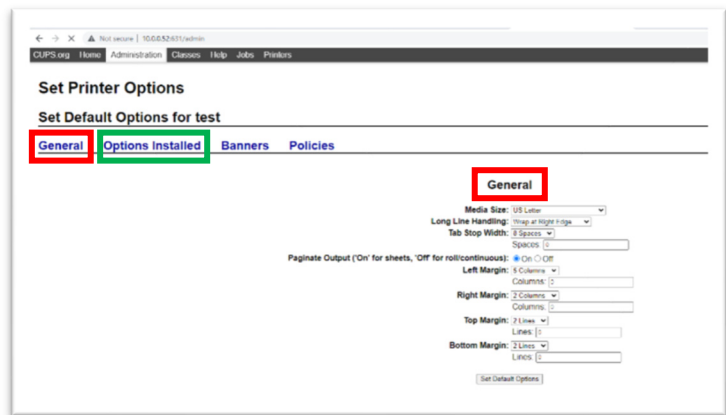


Figure 11

- 13) The **OPTIONS INSTALLED** page offers customizable options. A setting of 60 is typical for US letter size, but this may vary depending on printer setup. To change the setting, use the **PAGE SIZE LETTER NUMBER OF LINES** dropdown to select the value of 60, and then click the **SET DEFAULT OPTIONS** button at the bottom of the page. (See Figure 12).

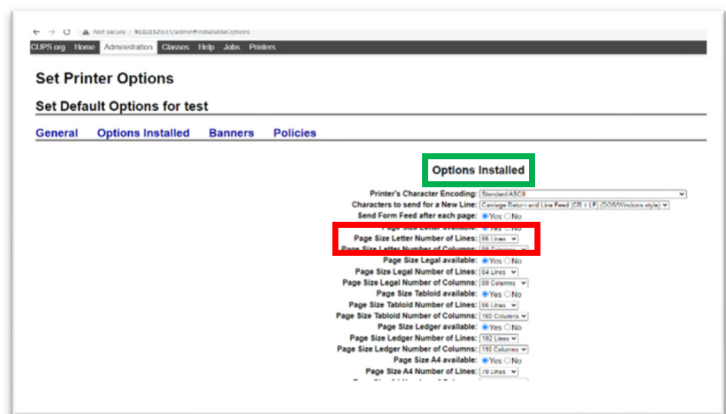


Figure 12

NOTE: Because of the length of content on this page, you may have to scroll downward on the browser window to see the **SET DEFAULT OPTIONS** button at the bottom of this page.

- 14) Set as the default printer (SET AS SERVER DEFAULT). See the Notes section (next page) to set the newly added network printer as the default printer.

This completes the process of adding a network printer.

NOTES:

1. If IPP is not supported, then try a socket style URI detailed in Step 8 (Figure 7). For example, **socket://10.0.0.94:9100**.
2. You can navigate directly to the CUPS webpage for a Proteus system using the URL **http://(hostname-or-ip):631**. For example, **http://10.0.0.175:631**.
3. Printer settings can be modified at any time as follows:
 - Click on "Printers" on the CUPS webpage menu bar.
 - Click on the name of the printer you want to modify.
 - Click on the "Administration" drop down to take actions such as:
 - Delete Printer
 - Set Default Options
 - Set as the default printer (**SET AS SERVER DEFAULT**)