

MTH-2500 Linux Installation

Example of installation performed on Ubuntu 22.04 64-bit.

Prerequisites

- The printing system used is CUPS: Common Unix Printing System with the rastertopclx filter.
- The printer must be set to PCL Raw compatibility. Menu: Advanced → Compatibility → PCL Raw
- Download the Zip file from our website:
Andig_mth2500_PCL_Linux.zip Unzip it and then execute the install.sh script as root :

```
sudo ./install.sh
```

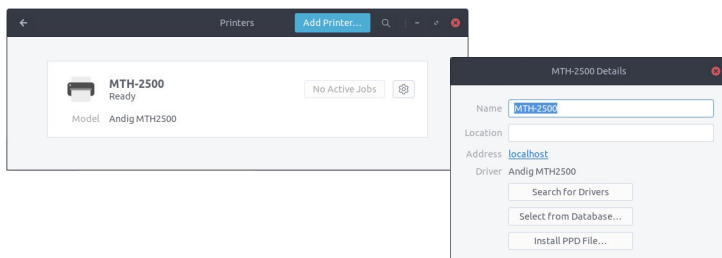
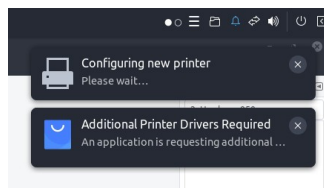
The script will copy the pclmth25.ppd file to /usr/share/cups/model/ and then restart the cups service.

Driver Installation

From this point, the installation proceeds in the usual manner.

USB

The installation proceeds automatically. Power on the printer and connect it to a USB port. A new printer, MTH-2500, will appear in the list of printers after a few seconds.



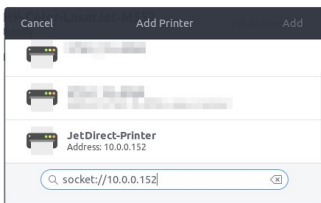
For other connections, open the Printers manager and click on the 'Add Printer...' button.

TCP-IP

Connect the printer to the Ethernet network and power it on. Next, determine the printer's local IP address, which can be assigned either dynamically (using DHCP) or statically. You can search for its IP address using an arp command by using the beginning of its MAC address noted on the Ethernet module XPORT. MAC addresses typically start with 00:80:a3 or 00:20:4a.

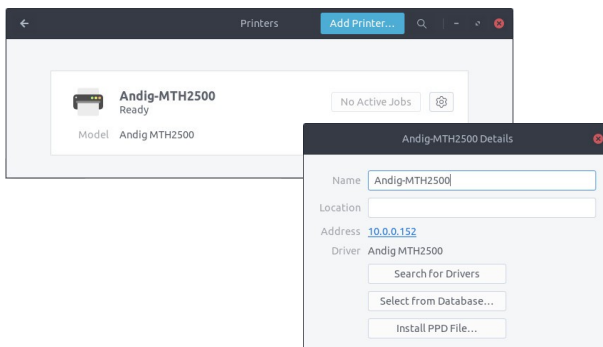
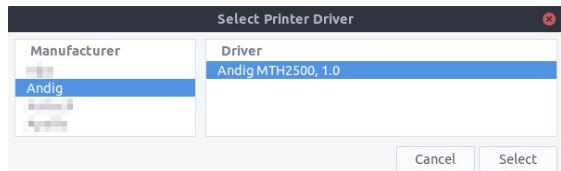
```
arp -na | grep 00:80:a3
? (10.0.0.152) at 00:80:a3:e4:29:7a [ether] on eno1
```

In this case, the found IP address is 10.0.0.152.



From the Printers manager, perform a search with socket://IPAddress. So, in our example, it would be socket://10.0.0.152. The system will suggest installing a JetDirect Printer; click on « Add ».

Then it will ask you to choose the driver. Choose **Andig** as manufacturer and “**Andig MTH2500, 1.0**” as printer driver.



RS232C Serial

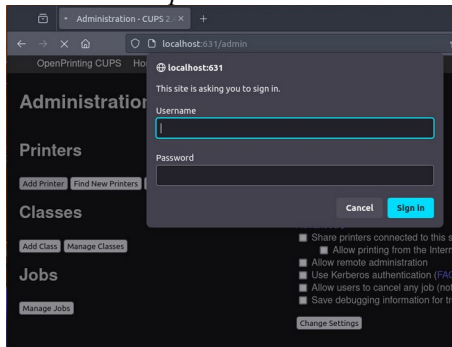
More and more, serial ports are no longer enabled in the Printers manager. You can then use either :

- the CUPS web interface
- the system-config-printer utility.

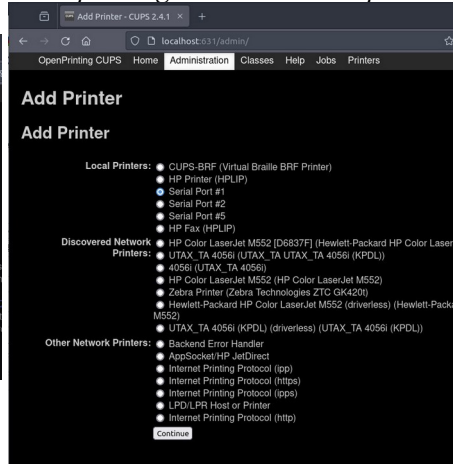
CUPS Web Interface

Launch the CUPS web interface : <http://localhost:631>

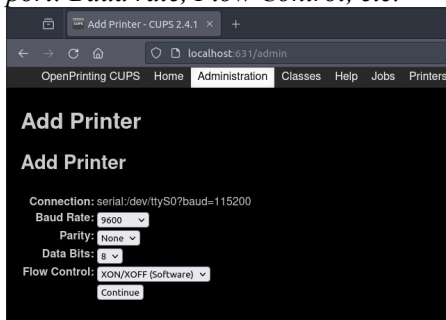
1- In the Administration tab, select Add Printer. You will need to enter your username and password.



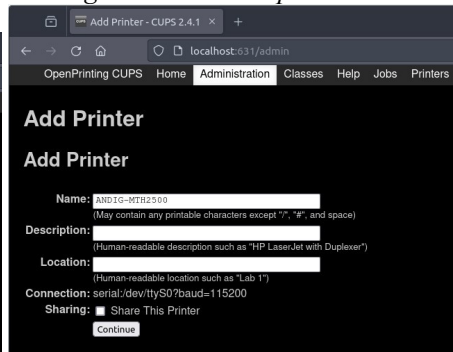
2- Select the Serial connection corresponding to the connected port.



3- Modify the settings of the serial port: Baud rate, Flow Control, etc.



4- Assign a name to the printer.



6- then driver : Andig MTH2500, 1.0

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Name: ANDIG-MTH2500

Description:

Location:

Connection: serial:/dev/ttyS0?baud=115200

Sharing: Do Not Share This Printer

Make:

- Andig
- Brother
- Canon
- Epson
- HP
- Lexmark
- Microsoft
- NetScout
- OKI
- Panasonic
- Realtek
- Samsung
- Sharp
- Sony
- Toshiba
- Xerox
- Yamaha

Continue

Or Provide a PPD File: No file selected.

Add Printer - CUPS 2.4.1

localhost:631/admin

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Name: ANDIG-MTH2500

Description:

Location:

Connection: serial:/dev/ttyS0?baud=115200

Sharing: Do Not Share This Printer

Make: Andig

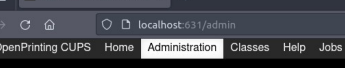
Model: Andig MTH2500, 1.0 (f1)

Or Provide a PPD File:

Browse... No file selected.

Add Printer

7- Printer is ready



OpenPrinting CUPS Home **Administration** Classes Help Jobs Printers

Add Printer

Add Printer ANDIG-MTH2500

Printer **ANDIG-MTH2500** has been added successfully.

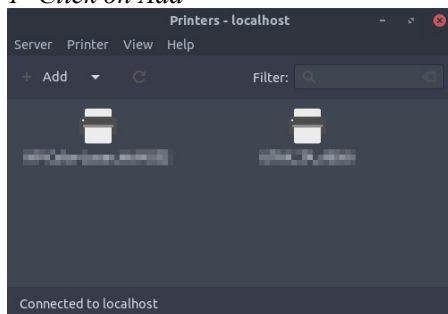
[Set Printer Options](#)

system-config-printer utility

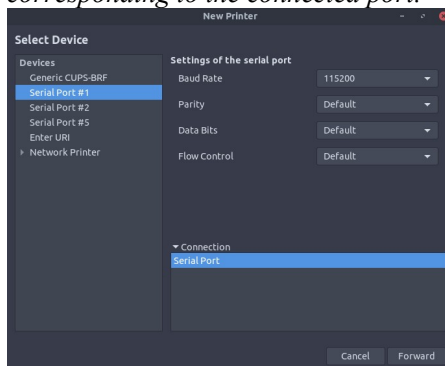
This utility is typically available in most Linux distributions. Usually, an additional printer settings button is present in the Printers manager. Otherwise, it can be launched from the command line :

system-config-printer

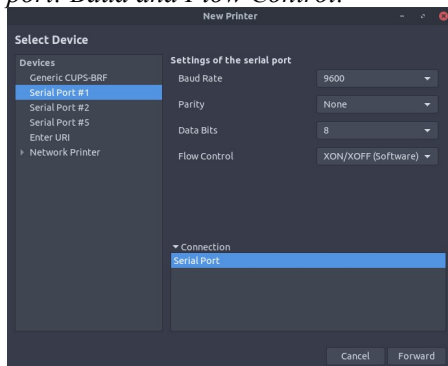
1- Click on Add



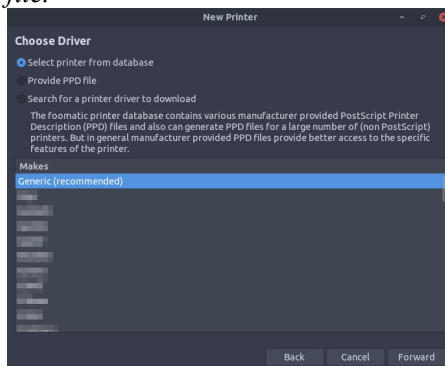
2- Select the Serial connection corresponding to the connected port.



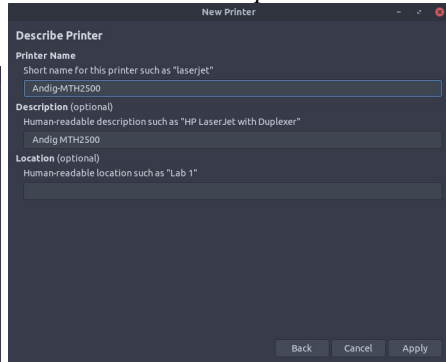
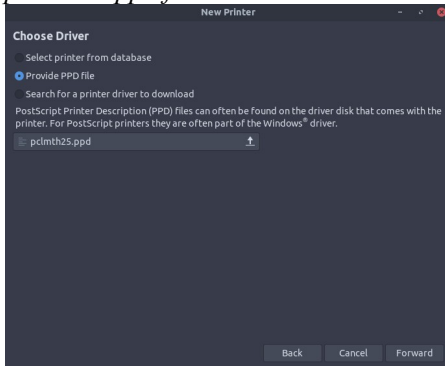
3- Modify the settings of the serial port: Baud and Flow Control.



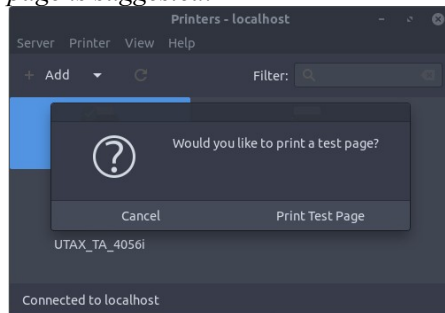
4- The utility does not offer our PPD file.



5- Select the checkbox: 'Provide a PPD file' and specify the path to the *pclmth25.ppd* file



7- The printer is ready. Printing a test page is suggested.



Reminders :

- Serial ports under Linux are located in the /dev directory.
- Conventional ports are named `ttyS#` with # being a number starting from 0. Therefore, the first port is called `ttyS0`.
- Ports from USB adapters are named `ttyUSB#` with # being a number starting from 0. Therefore, the first port is called `ttyUSB0`.
- USB to Serial ports from microprocessors can usually be found under the name `ttyACM#`.
- All ports belong to the dialout group.