

# p910nd print server

Use Zyxel NAS with Debian as print server for USB printer. With Samsung ML printer.

## Checks

```
# dmesg
[168899.143698] usb 1-1.3: new full-speed USB device number 3 using orion-ehci
[168899.255194] usb 1-1.3: New USB device found, idVendor=04e8, idProduct=3292
[168899.262213] usb 1-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[168899.269743] usb 1-1.3: Product: ML-1640 Series
[168899.274343] usb 1-1.3: Manufacturer: Samsung Electronics Co., Ltd.
[168899.280639] usb 1-1.3: SerialNumber: xxxxxxxxxxxx.
[168903.743791] usbblp 1-1.3:1.0: usbblp0: USB Bidirectional printer dev 3 if 0 alt 0 proto 2 vid 0x04E8 pid 0x3292
[168903.778147] usbcore: registered new interface driver usbblp

# ls -l /dev/usb/lp*
crw-rw---- 1 root lp 180, 0 Sep  3 21:37 /dev/usb/lp0
```

## Installation

```
# apt-get install p910nd
```

```
# dpkg -L p910nd
/usr/sbin/p910nd
/usr/share/doc/p910nd/changelog.Debian.gz
/usr/share/doc/p910nd/examples/banner.pl
/usr/share/doc/p910nd/examples/client.pl
/etc/default/p910nd
/etc/init.d/p910nd
```

[/etc/default/p910nd](#)

```
P910ND_OPTS="-f /dev/usb/lp0"
P910ND_START=1
```

```
/etc/init.d/p910nd start
```

## Linux Client

[https://openwrt.org/docs/guide-user/services/print\\_server/p910ndprinterserver#manual\\_method](https://openwrt.org/docs/guide-user/services/print_server/p910ndprinterserver#manual_method)

## Windows Client

[Windows clients](#)

## Issues

When addign network printer usign CUPS web interface:

Unable to add printer:

```
Bad device-uri " socket://192.168.179.2:9100".
```

[/var/log/cups/error\\_log](#)

```
E [03/Sep/2020:21:24:24 +0200] [Client 2190] Returning IPP client-error-not-possible for CUPS-Add-Modify-Printer (ipp://localhost/printers/ML-1640_NET_ZYXEL) from localhost.
```

Looks like permission problem. Adding printer using GUI works well:

system-config-printer

Possible issue: missing slash in socket address:

```
BAD: socket://192.168.179.2:9100
OK: socket://192.168.179.2:9100/
```

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