



## ***Linux Ubuntu 22.4.5 Manual Pages on command 'ippusbxd.8'***

**\$ man ippusbxd.8**

IPPUSBXD(8)                      System Manager's Manual                      IPPUSBXD(8)

### NAME

ippusbxd - Communication driver for IPP-over-USB class printers

### SYNOPSIS

```
ippusbxd [-v|--vid VENDOR_ID] [-m|--pid PRODUCT_ID] [-s|--serial SERIAL_NUMBER]
[--bus BUS] [--device DEVICE] [--bus-device BUS:DEVICE] [-p|--only-port
PORT_NUMBER] [-P|--from-port PORT_NUMBER] [-i|--interface INTERFACE] [-l|--log?
ging] [-q|--verbose] [-d|--debug] [-n|--no-fork] [-B|--no-broadcast] [-N|--no-
printer]
```

### DESCRIPTION

ippusbxd connects to a IPP-over-USB printer and exposes it to a network interface (like localhost or dummy0) on a given port, so that the printer can be accessed like an IPP network printer. The printer is also registered at Avahi to be advertised via DNS-SD on the interface, so CUPS and cups-browsed(8) will auto-discover the printer for easy setup of a print queue. This requires avahi-daemon to be running and the network interface to be supported by the Avahi version in use.

Upon successful startup the TCP port it is listening on and the process ID of the daemon are printed to stdout. ippusbxd will shut itself down when the connected

printer disconnects. When not specifying information about the desired printer, ipusbxd scans the USB and connects to the first available IPP-over-USB printer.

## OPTIONS

`-h, --help`

Show help message.

`-v VENDOR_ID, --vid VENDOR_ID`

USB vendor ID of desired printer.

`-m PRODUCT_ID, --pid PRODUCT_ID`

USB product ID of desired printer.

`-s SERIAL_NUMBER, --serial SERIAL_NUMBER`

Serial number of desired printer.

`--bus BUS --device DEVICE, --bus-device BUS:DEVICE`

USB bus and device numbers where the device is currently connected (see output of `lsusb(8)`). Note that these numbers change when the device is disconnected and reconnected. This method of calling `ippusbxd` is only for calling via UDEV. BUS and DEVICE have to be given in decimal numbers.

`-p PORT_NUMBER, --only-port PORT_NUMBER`

Port number `ippusbxd` will expose the printer over. If this port is already taken, `ippusbxd` will error out.

`-P PORT_NUMBER, --from-port PORT_NUMBER`

Port number `ippusbxd` will expose the printer over. If this port is already taken, `ippusbxd` will increase the port number by 1 and try again until it finds a free port.

`-i INTERFACE, --interface INTERFACE`

Network interface to use. Default is the loopback interface (`lo`, `localhost`).

-l, --logging

Send all logging to syslog.

-q, --verbose

Enable verbose logging.

-d, --debug

Enables debug mode. Implies -q and -n. Verbose logging will be sent to stdout

-n, --no-fork

Enables no fork mode. Disables daemonization.

-B, --no-broadcast

No-broadcast mode, do not DNS-SD-broadcast

-N, --no-printer

No-printer mode, debug/developer mode which makes ippusbxd run without IPP-over-USB printer

## BUGS

ippusbxd does not detect whether a USB printer is already connected by another instance of ippusbxd, so the system/the user has to take care to not start ippusbxd more than once for one and the same printer. Especially one should never start ippusbxd repeatedly without specifying a printer to assure that all connected IPP-over-USB printers get their ippusbxd instance.

IPPUSBXD(8)