

libieee1284 and canon parallel scanners

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2005-04/0302.html>

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To: freebsd-stable@freebsd.org

Hi,

I'm desperately trying to get my parallel port scanner to work on FreeBSD 5-STABLE.

It is a canon 640P scanner, that in theory should work with sane-backends and canon_pp driver (which depends on libieee1284).

Instead, it can't detect the scanner. I posted to sane-devel to try to get some feedback, however there may be some FreeBSD-specific issues (see <http://lists.altho.debian.org/pipermail/sane-devel/2005-April/013400.html>).

(please see the link for details).

In summary:

dmesg under FreeBSD shows:

```
ppc0: <Parallel port> at port 0x378-0x37f irq 7 on isa0
ppc0: Generic chipset (ECP/PS2/NIBBLE) in COMPATIBLE mode
ppc0: FIFO with 16/16/8 bytes threshold
ppbus0: <Parallel port bus> on ppc0
lpt0: <Printer> on ppbus0
lpt0: Interrupt-driven port
ppi0: <Parallel I/O> on ppbus0
```

libieee1284 is installed, if you run the test utility you get:

Found 3 ports:

0x278:

0x378:

0x3bc:

0x278: 0x278

RAW NIBBLE BYTE COMPAT ECPSWE

0x378: 0x378

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```
RAW NIBBLE BYTE COMPAT ECPSWE  
0x3bc: 0x3bc  
RAW NIBBLE BYTE COMPAT ECPSWE
```

But the scanner is not detected!

Sorry if this post is a little off-topic, I'm looking for parallel port gurus who might be able to help. e.g. do I need some random SCSI driver or something.

Cheers,
Rob Pollock.

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