

# Device driver

```
while (STATUS == BUSY)
    ; //wait until device is not busy
write data to data register
write command to command register
    Doing so starts the device and executes the command
while (STATUS == BUSY)
    ; //wait until device is done with your request
```

# Example : parallel port (LPT1)

- Three registers

$D_7$	$D_6$	$D_5$	$D_4$	$D_3$	$D_2$	$D_1$	$D_0$
read/write data register (port 0x378)							

$\overline{BSY}$	$\overline{ACK}$	PAP	OFON	$\overline{ERR}$	-	-	-
read-only status register (port 0x379)							

-	-	-	IRQ	DSL	$\overline{INI}$	ALF	STR
read/write control register (port 0x37a)							

- Every bits (except IRQ) corresponds to a pin on 25-pin connector

