Data flow and function calls in writing and reading

User space

`write()`

`read()`

Tty layer

`tty_write()`

`tty_read()`

Line discipline

`ldisc.write()`

`ldisc.read()`

`ldisc.receive_buf()`

tty buffer

Low-level driver

`driver.write()`

`tty_flip_buffer_push()`

flip_buffer

interrupt handler

Hardware

 data transfer

 function call