

# TTY Port

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The TTY drivers are advised to use struct `tty_port` helpers as much as possible. If the drivers implement `c:member: 'tty_port.ops.activate()'` and `c:member: 'tty_port.ops.shutdown()'`, they can use `tty_port_open()`, `tty_port_close()`, and `tty_port_hangup()` in respective `c:member: 'tty_struct.ops'` hooks.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_port.rst, line 9); [backlink](#)**

Unknown interpreted text role "c:member".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_port.rst, line 9); [backlink](#)**

Unknown interpreted text role "c:member".

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Unknown interpreted text role "c:member".

The reference and details are contained in the [TTY Port Reference](#) and [TTY Port Operations Reference](#) sections at the bottom.

## TTY Port Functions

### Init & Destroy

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_port.rst, line 24)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_port.c
   :identifiers: tty_port_init tty_port_destroy
               tty_port_get tty_port_put
```

### Open/Close/Hangup Helpers

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_port.rst, line 31)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_port.c
   :identifiers: tty_port_install tty_port_open tty_port_block_til_ready
               tty_port_close tty_port_close_start tty_port_close_end tty_port_hangup
               tty_port_shutdown
```

### TTY Refcounting

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_port.rst, line 39)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_port.c
:identifiers: tty_port_tty_get tty_port_tty_set
```

## TTY Helpers

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_port.rst, line 45)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_port.c
:identifiers: tty_port_tty_hangup tty_port_tty_wakeup
```

## Modem Signals

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_port.rst, line 52)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_port.c
:identifiers: tty_port_carrier_raised tty_port_raise_dtr_rts
               tty_port_lower_dtr_rts
```

## TTY Port Reference

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_port.rst, line 61)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/tty_port.h
:identifiers: tty_port
```

## TTY Port Operations Reference

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_port.rst, line 69)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/tty_port.h
:identifiers: tty_port_operations
```