

# VciLogConsole

## 1) Functional Description

This VCI target is a simple log sink, receiving any written character and printing it to the external world.

It only has one mapped register accepting only writes.

A putc implementation could be:

```
static const volatile void* log_address = 0xc0000000;

static inline void putc(const size_t term_no, const char x)
{
    soclib_io_set( tty_address, 0, x );
}
```

## 2) Component definition & usage

[source:trunk/soclib/soclib/module/connectivity component/vci log console/caba/metadata/vci log console.sd?](#)

See [SoclibCc/VciParameters](#)

```
Uses( 'caba:vci_log_console', **vci_parameters )
```

## 3) CABA Implementation

### CABA sources

- interface :  
[source:trunk/soclib/soclib/module/connectivity component/vci log console/caba/source/include/vci log console.h?](#)
- implementation :  
[source:trunk/soclib/soclib/module/connectivity component/vci log console/caba/source/src/vci log console.cpp?](#)

### CABA Constructor parameters

```
VciLogConsole(
    sc_module_name name,    // Instance name
    const soclib::common::IntTab &index,    // Target index
    const soclib::common::MappingTable &mt)    // Mapping Table
```

Example instanciation:

```
VciLogConsole  tty("logger",
                  IntTab(2,3),
                  mapping_table );
```

### CABA Ports

- sc\_in<bool> **p\_resetn** : Global system reset
- sc\_in<bool> **p\_clk** : Global system clock

- `soclib::common::VciiTarget<vci_param>` **p\_vci** : The VCI port