

VciAvalonBus

1) Functional Description

2) Component definition & usage

3) CABA Implementation

CABA sources

- interface :
[source:trunk/soclib/soclib/module/network_component/avalon_switch_fabric/caba/source/include/avalon_switch_fabric.c](#)
- implementation :
[source:trunk/soclib/soclib/module/network_component/avalon_switch_fabric/caba/source/src/avalon_switch_fabric.c](#)

CABA Constructor parameters

```
AvalonSwitchFabric (sc_module_name insname,                // instance name  
                    AvalonSwitchConfig<Nb_Master, Nb_slave> config) // configuration
```

CABA Ports

- `sc_in<bool> p_resetn` : Global system reset
- `sc_in<bool> p_clk` : Global system clock
- `AvalonSwitch_Master * p_avalon_master`: Nb_Master ports from Avalon masters
- `AvalonSwitch_Slave * p_avalon_slave`: Nb_Slave ports to Avalon slaves

4) TLM-T implementation

There is no TLM-T implementation for this component.