

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.h](#)
- 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.