

DATA SHEET

PROTOCOLS

- AMBA AXI4
- AXI3
- Stream Protocol
- AXI4 - Lite
- Master / Slave

DELIVERABLES

- Master/Slave UVCs
- Assertion Package
- Back-Back Testbench
- Exhaustive Test Suite
- User Guide

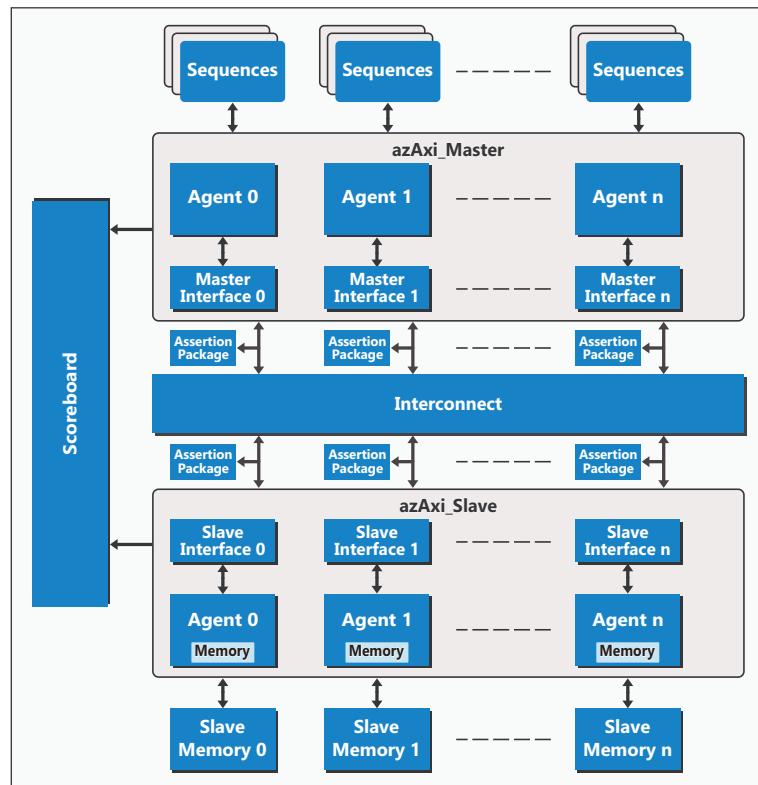
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Description

azAXI is a UVM based verification component (UVC) that can be used by IP and SOC makers to test their AXI4 interface design effectively and quickly. This easy-to-use UVC can be easily integrated to any UVM based environment and can be used to generate a variety of scenario without much effort. This configurable UVC can be used to test interfaces with any databus width. Multiple instances of master/slave agents in the UVC are supported. An assertion package has also been included to ensure the correct signalling on the AXI interface.

UVC Features

- Callbacks to support external slave memory.
- Callbacks for Scoreboard Support.
- Callbacks to support per-transaction scenario generation in master and slave.
- Functional Coverage on transaction types.
- Supports Pipelining and out-of-order response.
- Supports narrow and unaligned transfers.

Configurability

- Configurable number of agents.
- Configurable data width.
- Option to use in-built slave memory.