

AXI4 Crossbar v1.0

IP User Guide (Alpha Release)



January 25, 2023

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IP Summary

Introduction

An AXI crossbar is a type of interconnect that allows multiple Advanced eXtensible Interface (AXI) master devices to communicate with multiple AXI slave devices. The crossbar acts as a switch, routing data and control signals between the different masters and slaves. This Crossbar IP is AXI4 compliant making it easier to integrate into other AXILite or AXI4 compliant systems. A macro block diagram of this AXI4 Crossbar is shown in Figure 1.

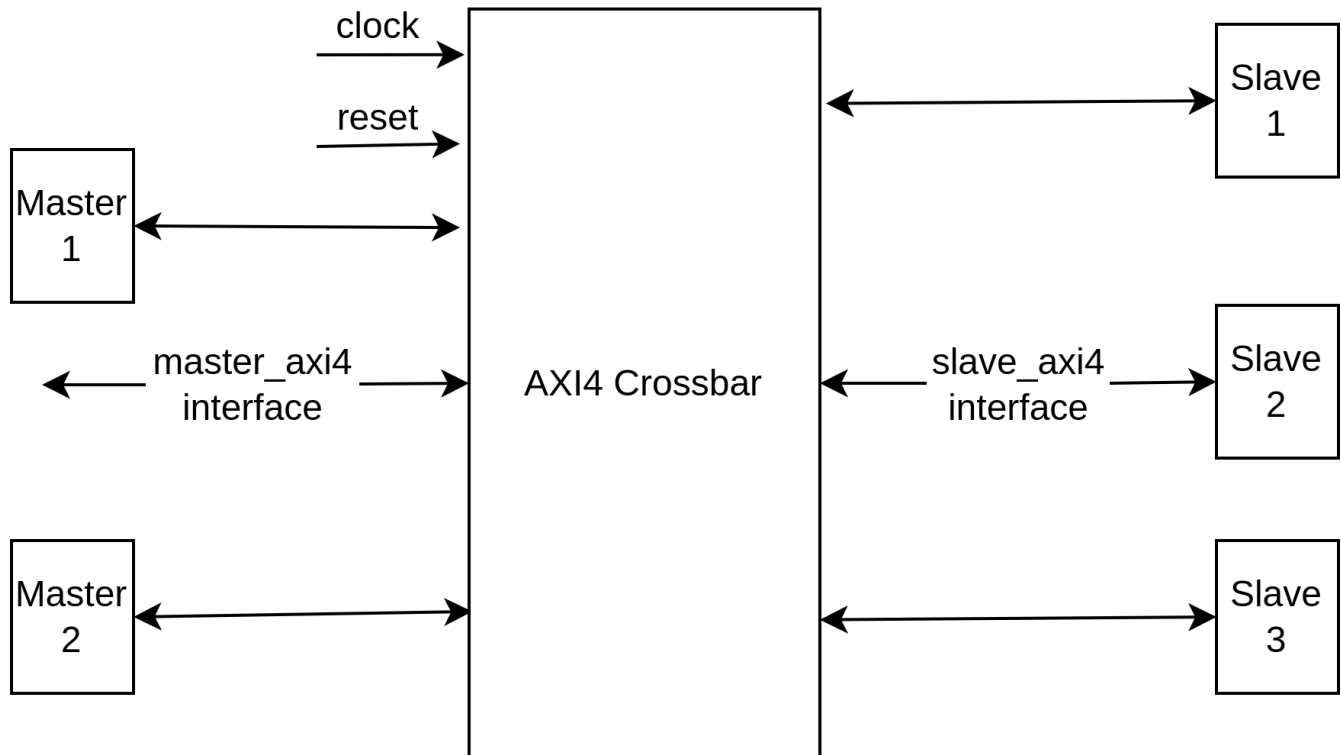


Figure 1. AXI4 Crossbar Block Diagram

Revision History

Date	Version	Revisions
January 25, 2023	0.01	Initial version AXI4 Crossbar User Guide Document