

AXIStreaming Broadcast v1.0

IP User Guide (Alpha Release)



January 25, 2023

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IP Summary

Introduction

A Broadcast is a communication protocol for connecting different components of a system in a parallel and synchronized manner. Broadcast allows multiple slaves to receive the same data from a single master at the same time. This is useful in situations where multiple slaves need to receive the same information, such as when updating the contents of a shared memory. It also improves the system performance and reduces power consumption by avoiding the data duplication and multiple transfers from the master to multiple slaves. This is an AXIStreaming compliant Broadcast IP for easy integration with other AXI based systems. A macro block diagram of this AXIStreaming Broadcast is shown in Figure 1.

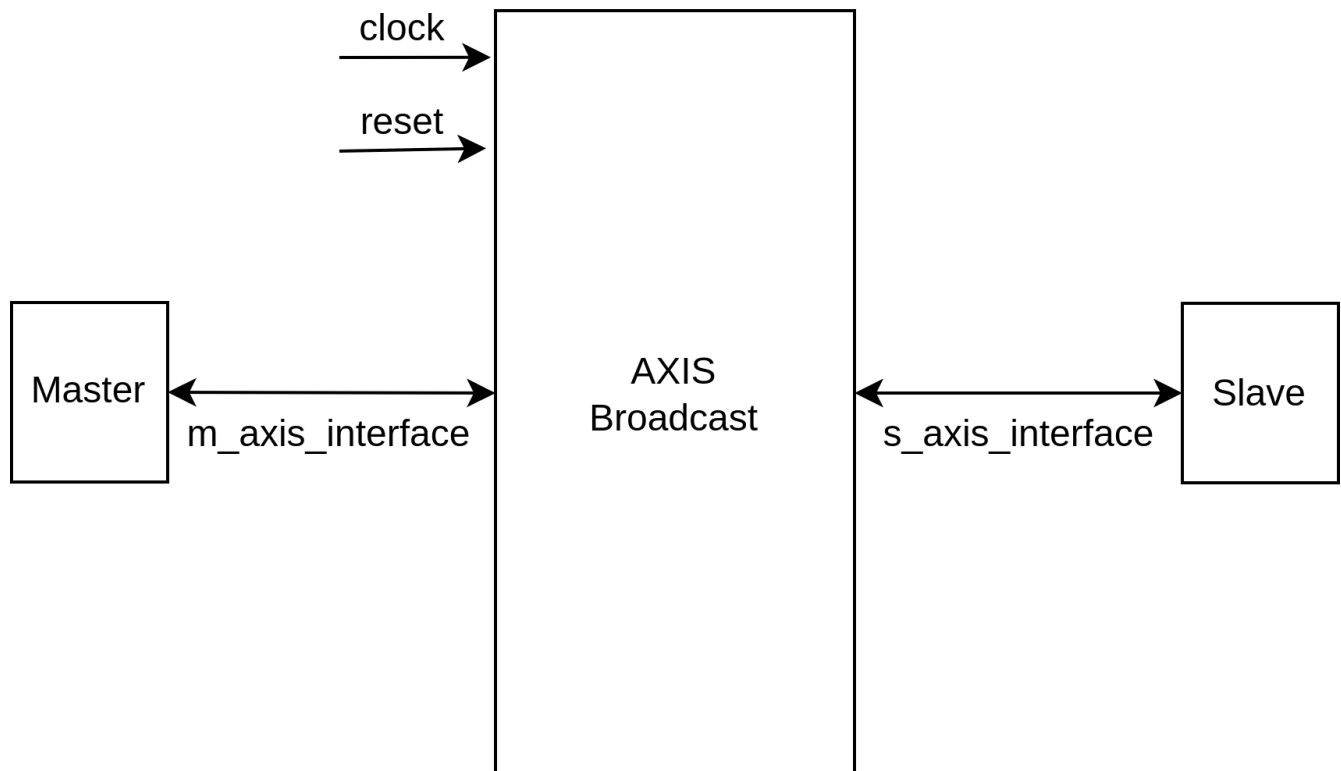


Figure 1. AXIStreaming Broadcast Block Diagram

Revision History

Date	Version	Revisions
January 25, 2023	0.01	Initial version AXIStreaming Broadcast User Guide Document