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Advanced eXtensible Interface (AXI) Reference Guide. Xilinx has adopted the Advanced eXtensible Interface or AXI protocol for Intellectual Property (IP) cores generated by their tools. This tech note provides a guide to the basic concepts on the AXI interface and some of the Xilinx IP to support it. The AXI protocol was created by ARM and is backward compatible with existing AHB and APB interfaces.

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□ Updated Xilinx 04/06/2016 2016.1 Updated for Vivado 2016.1 release: □ Included description of address extension, new in version 9.6. □ Included description of pipeline pause functionality, new in version 9.6 □ Included description of non-secure AXI access support, new in version 9.6.

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The Xilinx® AXI Hardware Internal Configuration Access Port (HWICAP) LogiCORE® IP core for the AXI Interface enables an embedded microprocessor, such as the MicroBlaze® processor, to read and write the FPGA configuration memory through the Internal Configuration Access Port (ICAPEn).

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DS759 March 1, 2011 www.xilinx.com 2 Product Specification LogiCORE IP AXI Ethernet (v2.00a) Features ... MAC User Guide. ... used in AXI Ethernet. Please refer to the Reference Documents section at the end of document to determine the

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The recent adoption of the AXI4 by Xilinx for all of their current and future device families and products, including the Zynq®-7000 family of Extensible Processing Platform (EPP) products, makes this protocol vital to learn for every SoC designer in order to be able to use the newest device families from major silicon vendors, and access a wide portfolio of AXI based IPs. Embracement by ...

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