



Specifications for EDK IP

Supported Device Family

Supported Device Family	Spartan®-3 Spartan-3A Spartan-3E Spartan-AN Spartan-3A DSP	Virtex®-4 Virtex-5
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C_FAMILY and associated C_SUBFAMILY Parameters	C_FAMILY	C_SUBFAMILY
	virtex4, qvirtex4, qvirtex4	lx, sx, fx
virtex5	lx, sx, fx	
spartan3, aspartan3	none	
spartan3a	" ", "n"	
spartan3adsp	none	
spartan3e, aspartan3e	none	
aspartan3a	none	

Design Tool Requirements

Xilinx® Implementation Tools	ISE® Design Suite 11
Verification	ModelSim 6.4b and above
Simulation	ModelSim 6.4b and above NCSim IUS 8.1-s009 and above (Linux only)
Synthesis	XST
Support	Provided by Xilinx, Inc @ www.xilinx.com/support

Cores With Exceptions to the Above Information

Core	Supported Device Family	Simulation
Agilent Trace Core (ATC2) v.1.00a		Not supported
Agilent Technologies MicroBlaze™ Trace Core (MTC_v4) v.1.00a		Not supported
Agilent Technologies MicroBlaze Trace Core (MTC_v5) v.1.00b		Not supported
APU Floating-Point Unit v3.1	Virtex-4 FX only	
APU Floating-Point Unit Virtex-5	Virtex-5 only	
Endpoint Block Plus v1.8 for PCI Express	Virtex-5 LXT, SXT, FXT only	
Channel FIFO	Spartan-3	

Channel FIFO (v1.00a)	Spartan-3, Spartan-3E, Spartan-3A, Spartan-3A DSP, Automotive Spartan-3, Automotive Spartan-3E, Automotive Spartan-3a DSP, Virtex-4	
ChipScope™ Pro ICON (v. 1.00a, 1.01a, 1.02a)		Not supported
ChipScope Pro ILA (v. 1.00a, 1.01a, 1.02a)		Not supported
Chipscope OPB IBA (Bus Analyzer) (v1.01a)		Not supported
Chipscope PLB IBA (Bus Analyzer) (v1.01a)		Not supported
ChipScope PLBv46 IBA (Bus Analyzer) (v1.00a)		Not supported
ChipScope Pro VIO (v. 1.00a, 1.01a, 1.02a)		Not supported
DCR Interrupt Controller (v1.00b)	Virtex-4 FX, Virtex-5 FXT only	
Device Control Register Bus (DCR) v2.9 (v1.00a)	Virtex-4 FX, Virtex-5 FXT only	
Direct Memory Access and Scatter Gather (v2.00a)	Virtex-4 only	
Data Side OCM Bus v1.0 (v2.00b)	Virtex-4 FX only	
FCB to FSL Bridge (v1.00a)	Virtex-4 only	
Fabric Co-processor Bus (FCB) (v1.00a)	Virtex-5 FXT only	
Fabric Co-processor Bus for PPC440 (FCB_V20) (v1.00a)	Virtex-5 FXT only	
HARD Tri-Mode Ethernet MAC (TEMAC) (v3.00b)	Virtex-4 FX only	
Instruction Side OCM Bus v1.0 (v2.00b)	Virtex-4 FX only	
JTAGPPC Controller (v2.01b, v2.01c)	Virtex-4 FX, Virtex-5 FXT only	
Multi-Gigabit Transceiver (MGT) Protector (v1.00a)	Virtex-4 FX only	
OPB Ethernet Media Access Controller (EMAC)	Spartan-3, Spartan-3E, Virtex-4, Virtex-5	
OPB HWICAP (v1.00.b)	Virtex-4, Virtex-5 only	
OPB IPIF (v3.01a, 3.01b)	Spartan-3, Spartan-3E only	
OPB to DCR Bridge (v1.00b)	Virtex-4 FX, Virtex-5 FXT only	

OPB to PLB Bridge (v1.00c)	Virtex-4 only	
PLB IPIF (v1.00f, 1.01a, 2.02a)	Virtex-4 only	
PLB IPIF (v2.01a)	Virtex-4 only	
PLB to OPB Bridge (v1.01a)	Virtex-4 only	
PLBV46 to DCR Bridge (v1.00a, v1.01a)	Virtex-4, Virtex-5 only	
PLBv46 Endpoint Bridge for PCI Express (v3.00a, v3.00b)	Virtex-5 only	
Phase Locked Loop (PLL) Module (v1.00a)	Virtex-5 only	
PPC405 Virtex-4 (Wrapper) (v1.01a, v2.01a, v2.01b)	Virtex-4 FX only	
Virtex-5 FPGA Embedded Processor Block with PowerPC® 440 Processor (v1.01a)	Virtex-5 FXT only	
DDR2 Memory Controller for PowerPC 440 Processors	Virtex-5 FX only	
XPS HWICAP (v1.00.a, v2.00.a)	Virtex-4, Virtex-5 only	
XPS InSystem Flash (v1.00a)	Spartan-3 AN family only	
XPS SYSMON ADC (v1.00b)	Virtex-5 only	