

Programming Solutions

High-Speed JTAG & SPI USB2 Programming Solutions

Digilent produces a variety of high-speed JTAG and SPI USB2 programming solutions that work seamlessly with all Xilinx tools and Atmel AVR microcontrollers. Our free Adept software allows custom applications to drive JTAG and SPI operations, and to exchange data with target systems. Use this table to pick the right one for you!



	JTAG-SMT2-NC	JTAG-SMT2	JTAG-SMT1	JTAG-HS3	JTAG-HS2	JTAG-HS1	JTAG-USB
Max Speed	30 Mhz	30 Mhz	30 Mhz	30 Mhz	30 Mhz	30 Mhz	1.6 Mhz
Voltage Range	1.8 - 5 V	1.8 - 5 V	1.8 - 5 V	1.8 - 5 V	1.5 - 5 V	1.8 - 5 V	1.8 - 5 V
Xilinx Native Support	ISE 14.1+ Vivado 2013.1+	ISE 14.1+ Vivado 2013.1+	ISE 13.2+ Vivado 2012.1+	ISE 14.1+ Vivado 2013.3+	ISE 13.2+ Vivado 2012.1+	ISE 13.2+ Vivado 2012.1+	ISE 13.2+ Vivado 2014.2+
Xilinx Plug-in Support	ISE 13.1+	ISE 13.1+	ISE 13.1+	ISE 12.1+	ISE 12.1+	ISE 12.1+	ISE 12.1+
Digilent Adept Support	✓	✓	✓	✓	✓	✓	✓
PC Interface	USB	USB	USB	USB	USB	USB	USB
Onboard USB Connector	✗	✓	✓	✓	✓	✓	✓
Target Board Connector Interface	13-Pad SMT	11-Pad SMT	8-Pad SMT	14-Pin	6-Pin, 14-Pin	6-Pin, 14-Pin	6-Pin
4-Wire JTAG	✓	✓	✓	✓	✓	✓	✓
2-Wire JTAG	✓	✓	✗	✗	✓	✗	✗
ZYNQ-7000 PS_SRST Support	✓	✓	✗	✓	✗	✗	✗
SPI Support	✓	✓	✗	✗	✓	✓	✓



www.digilentinc.com

Other product and company names mentioned herein are trademarks or trade names of their respective companies.