



Virtex-5 LXT FPGA Gigabit Ethernet Development Kit

Purpose: Virtex-5 LXT FPGA Gigabit Ethernet Development Kit
 Kit Part Number: HW-V5GBE-DK-UNI-G
 Device Supported: Virtex-5 LXT XC5VLX50T-1FF1136C
 Kit Resale Price: \$1,395

Description

The Virtex™-5 LXT FPGA Gigabit Ethernet Development kit supports 10/100 Mbps and 1 Gbps speeds. This complete development kit enables you to rapidly create and evaluate designs for Ethernet applications.

Features

- Quick Start Guide & Platform USB programming cable
- ISE Evaluation Software & access to IP LogiCOREs
- Resource CD (Reference Designs, Labs, Demonstrations)
- Connectors: GbE – SFP & RJ45 connectors, 10/100 Mbps; RJ45 connector

For further details, please visit www.xilinx.com/gbedevkit



Virtex-5 LXT Development Kit for PCI Express, PCI-X and PCI

Purpose: Application Development Platform for PCI Express and PCI
 Kit Part Number: HW-V5-ML555-G
 Device Supported: Virtex™-5 LXT XC5VLX50T-1FF1136CES
 Kit Resale Price: \$2,200

Description

The Virtex-5 LXT FPGA Development kit for PCI-Express® supports PCIe®, PCI-X™, and PCI™. This complete development kit passed PCI-SIG compliance for PCI Express v1.1 and enables you to rapidly create, and evaluate designs using PCI Express, PCI-X and PCI interfaces.

Features

- Quick Start Guide & Platform USB programming cable
- ISE Evaluation Software & access to IP LogiCOREs
- Resource CD (Reference Designs, Labs, Demonstrations)
- Connectors: PCIe – 8-land add-in card connector, PCI/PCI-X; standard edge connector

For further details, please visit www.xilinx.com/v5pciekit



Virtex-4 FX12 PowerPC & MicroBlaze Processor Edition Embedded Development HW/SW Kit

Purpose: Advanced Embedded Processing Development Kit
 Kit Part Number: DO-ML403-EDK-ISE
 Device Supported: DO-ML403-EDK-ISE-PC4-US
 Kit Resale Price: \$895

Description

The FX12 Edition Development Kit for Embedded Processing applications includes the ML403 development board; Platform Studio embedded tool suite and ISE FPGA Design Software, supporting both the PowerPC™ hard and MicroBlaze™ soft processors. The FX12 Development Kit is only available with USB JTAG cable and has a regional power supply available for the US, Continental Europe or the UK.

Features

- Powerful Virtex-4 ML403 Development Board
- Full Seat of Platform Studio Embedded Tool Suite
- ISE WebPACK FPGA Design Software
- Reference Designs, JTAG probe, FLASH device, cables and power supply

For further details, please visit www.xilinx.com/products/devkits/DO-ML403-EDK-ISE-USB-UNI-G.htm



Virtex-5 Embedded Kit

Purpose: Advanced Embedded Processing Development Kit
 Kit Part Number: DK-V5-EMBD-ML507-G
 Device Supported: Virtex-5 FXT70 FPGA
 Kit Resale Price: \$2,595

Description

The Embedded Development HW/SW Kit - Virtex-5 FX70T PowerPC & MicroBlaze Processor Edition integrated kit supplies an ML507 development board, Platform Studio embedded tool suite and ISE® design software, supporting both the PowerPC® 440 hard and MicroBlaze™ soft processors.

Features

- Powerful Virtex-5 ML507 Development Board
- Full Seat of Platform Studio Embedded Tool Suite
- Full Seat of ISE Foundation FPGA Design Software
- Reference Designs, USB JTAG probe, FLASH device, cables and power supply

For further details, please visit www.xilinx.com/v5embedded



Spartan-3A Starter Kit

Purpose: Low-cost Spartan-3A platform evaluation kit
 Kit Part Number: HW-SPAR3A-SK-UNI-G
 Device Supported: Spartan-3A XC3S700A-FG484
 Kit Resale Price: \$189

Description

The Spartan-3A Starter Kit provides the user a complete development system and an out-of-the-box functionality to quickly test out the Spartan-3A device features. The Spartan-3A features a Device DNA for IP-secure mechanisms and 26 differential and single ended I/O standards such as LVDS, RSDS, TMDS and flexible power management.

Features

- Evaluation board with Spartan-3A FPGA XC3S700A-FG484, on-board 10/100 Ethernet PHY, SPI based ADC & DAC circuitry, 64Mbytes DDR2, two 16MBit SPI serial flash and more
- Interfaces include a 2x16 LCD display, and various I/O ports including a PS/2 port, a VGA display port, and two serial ports
- Kit includes evaluation board, power supply with universal adaptors, programming cable, quick-start guide, design tools evaluation software, collateral and more.

For further details, please visit www.xilinx.com/s3astarter



Spartan-3AN Starter Kit

Purpose: Low-cost Spartan-3AN evaluation kit
 Kit Part Number: HW-SPAR3AN-SK-UNI-G
 Device Supported: Spartan-3AN XC3S700AN-4FGG484C
 Kit Resale Price: \$199

Description

The Spartan-3AN Starter Kit provides the user a complete development system and an out-of-the-box functionality to quickly test out the Spartan-3AN device features. Reference designs include a Device DNA reader, fractal display generator and on-chip flash programmer, and much more.

Features

- Evaluation board with Spartan-3AN FPGA XC3S700AN-FG484, on-board 10/100 Ethernet PHY, SPI based ADC & DAC circuitry, 64Mbytes DDR2, two 16MBit SPI serial flash and more
- Interfaces include a 2x16 LCD display, and various I/O ports including a PS/2 port, a VGA display port, and two serial ports
- Kit includes evaluation board, power supply with universal adaptors, programming cable, quick-start guide, design tools evaluation software, collateral and more.

For further details, please visit www.xilinx.com/s3anstarter



Spartan-3A DSP 1800A Edition XtremeDSP Starter Platform

Purpose: Low-cost, entry-level environment for developing signal processing designs
 Kit Part Number: HW-SD1800A-DSP-SB-UNI-G
 Device Supported: Spartan-3A DSP XC3SD1800A-4FGG676C
 Kit Resale Price: \$295

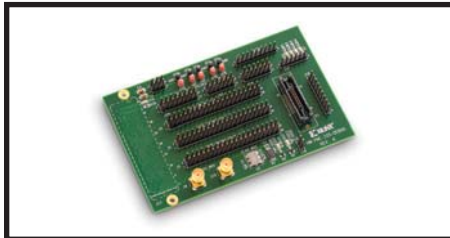
Description

Powered by the Spartan-3A DSP 1800A device and supported by industry standard peripherals, connectors, and interfaces, this evaluation platform delivers instant access to Spartan-3A DSP family capabilities. Designed for use with the Xilinx System Generator for DSP and ISE™ design tools, the Spartan-3A DSP 1800A starter platform provides a great low-cost entry-level environment for developing signal processing designs.

Features

- Xilinx Devices: XC3SD1800A-4FGG676C Spartan-3A DSP FPGA
- Memory: 128MB (32M x 32) DDR2 SDRAM; 16Mx8 Parallel /BPI Configuration Flash; 64Mb SPI Configuration / Storage Flash (with 4 extra SPI selects)
- EXP expansion connector

For further details, please visit www.xilinx.com/s3adsstarter



FMC Debug Mezzanine Card

Purpose: FMC Debug Mezzanine Board
 Kit Part Number: HW-FMC-DBG-G
 Device Supported: SP601, SP605, ML605 (FMC)
 Kit Resale Price: \$159

Description

The FMC Debug mezzanine card is designed to provide access to many of the pins on the FMC connector found on Xilinx FMC-supported boards including the SP601, SP605 and ML605.

The FMC Debug mezzanine card provides a number of multi-position headers and connectors which break out FPGA interface signals to and from the board interface. A serial IIC bus re-programmable LVDS clock source and a pair of SMA connectors provide differential clock sources to the FMC-supported board FGPA. A 2 Kb serial IIC EEPROM provides non-volatile storage.

Features

- VITA 57.1 FMC HPC connector
- Single-ended signals from the carrier board, clocks, JTAG, power
- 40 Single Ended I/O (20 Pairs) on the LPC Pins
- 80 Single Ended I/O (40 Pairs) on the HPC Pins
- Micror connector 38 pin female Micror connector
- Shared I/O with LPC Pins
- Micror JTAG pins broken out
- 16 and 12 additional LPC Single Ended I/O
- 8 LPC I/O on 6 pin x 2 row male header (2x6 Pmod Header)
- 4 LPC I/O on 6 pin x 1 row male header (1x6 Pmod Header)
- Four User LEDs Shared with I/O
- 12 additional HPC Single Ended I/O
- FMC JTAG 9-pin header
- 9 pin x 1 row male header with FMC JTAG connections
- Clocking
- SMA connectors
- Silicon Labs Si570 IIC serial bus re programmable LVDS clock source EEPROM
- 2 Kb EEPROM, IIC compatible electrically erasable programmable memory (EEPROM) with 2 Kb (256 bytes) of non-volatile storage
- Power Good LEDs
- Power good LEDs for +12V, carrier to mezzanine (PG_C2M) and Vadjust/3.3V



Spartan-3E Starter Kit

Purpose: Low-cost Spartan-3E platform development kit
 Kit Part Number: HW-SPAR3E-SK-UNI-G
 Device Supported: Spartan-3A XC3S700A-FG484
 Kit Resale Price: \$149

Description

The Spartan™-3E FPGA Starter Kit is a complete development board solution giving designers instant access to the capabilities of the Spartan-3E family. Complete kit includes board, powersupply, evaluation software, resource CD (application notes, white papers, data sheets, etc.), and USB cable.

Features

- Evaluation board with Spartan-3E FPGA XC3S500E-4FG320C, CoolRunner™-II XC2C64A-5VQ44C, 128 Mbit Parallel Flash, 16 Mbit SPI Flash, 64 MByte DDR SDRAM
- Interfaces include Ethernet 10/100 Phy, two RS-232 serial ports, PS/2 style mouse/keyboard, 2x16 character LCD
- Kit includes evaluation board, power supply with universal adaptors, programming cable, quick-start guide, design tools evaluation software, collateral and more

For further details, please visit www.xilinx.com/s3estarterkit



XtremeDSP Video Kit

Purpose: Video application development on Spartan-3A FPGAs
 Kit Part Number: DO-SEADSP-VIDEO-SK-UNI-G
 Device Supported: XC3SD3400A-4FGG676C
 Kit Resale Price: \$1,595

Description

The XtremeDSP™ Video Starter Kit – Spartan®-3A DSP Edition is the ideal development platform to evaluate Xilinx FPGA(s) in a wide range of Video and Imaging applications. The Video Starter Kit provides an embedded design framework that can be customized with user defined video accelerators implemented on the FPGA fabric. This unique combination of flexibility and processing power allows Xilinx FPGAs to address the most demanding security, industrial, medical, broadcast and automotive video applications.

Features

- Includes full seats of System Generator and EDK
- Example video reference designs
- Complete documentation, Platform USB cable, power supply, and video cables
- Carrier Board: Spartan-3A DSP 3400A Development Platform
- Daughter Card: FMC-Video
- DVI Input
- Single Channel In and Out Composite
- S-Video In and Out
- Two Independent Camera Interfaces
- CMOS Image Sensor Camera

For further details, please visit www.xilinx.com/vsk_s3



Spartan-6 FPGA SP601 Evaluation Kit

Purpose: General purpose FPGA evaluation board
 Kit Part Number: EK-S6-SP601-G,
 EK-S6-SP601-G-J (Japan)
 Device Supported: XC6SLX16-CS324
 Kit Resale Price: \$295

Description

The Spartan®-6 FPGA SP601 Evaluation Kit is an ideal entry-level development environment for evaluating the Spartan-6 family. This kit delivers all the basic components of the Xilinx Base Targeted Design Platform in one package. It provides a flexible environment for system design and provides customers reference design and examples on how to leverage features such as the integrated memory interface core. It includes an industry standard FMC (FPGA Mezzanine Card) connector for future scaling and customization to specific applications and markets.

Features

- FPGA: XC6SLX16 CS324-2CES Spartan-6
- Onboard configuration circuitry
- Quad SPI Flash 64MB
- 16MB Parallel (BPI) Flash
- DDR2 Component Memory 128MB
- IIC 8Kb IIC EEPROM
- 10/100/1000 Tri-Speed Ethernet PHY
- Serial (UART) to USB Bridge
- FMC-LPC connector (68 single-ended or 34 differential user defined signals)
- 8 User I/O (Digilent 2x6 Header)
- 200MHz Oscillator (Differential)
- Socket (Single-Ended) Populated with 27MHz Osc
- SMA Connectors (Differential)



Spartan-6 FPGA SP605 Evaluation Kit

Purpose: General purpose FPGA evaluation board
 Kit Part Number: EK-S6-SP605-G,
 EK-S6-SP605-G-J (Japan)
 Devices Supported: XC6SLX45T-FGG484 -3
 Kit Resale Price: \$495

Description

The Spartan®-6 FPGA SP605 Evaluation Kit delivers all the basic components of the Xilinx Base Targeted Design Platform in one package. It provides a flexible environment for system design and provides customers reference design and examples on how to leverage features such as high-speed serial transceivers, PCI Express®, DVI, and/or DDR3. It includes an industry-standard FMC (FPGA Mezzanine Card) connector for future scaling and customization to specific applications and markets.

Features

- FPGA: XC6SLX45T FGG484-3CES Spartan-6
- Onboard JTAG configuration circuitry
- 128MB Platform Flash XL
- Quad SPI Flash 64MB
- System ACE 2G Compact FLASH (CF) Card
- DDR3 Component Memory 1Gb
- 16MB Parallel (BPI) Flash
- 10/100/1000 Tri-Speed Ethernet
- SFP transceiver connector
- GTX port (TX, RX) with four SMA connectors
- USB To UART Bridge
- PCI Express x1 Edge Connector
- FMC-LPC connector (1 GTP Transceiver, 68 single-ended or 34 differential user defined signals)
- User GPIO with two SMA connectors
- 200 MHz Oscillator (Differential)
- Oscillator socket (Single-Ended)
- SMA Connectors for external clock (Differential)
- GTX Reference Clock port with 2 SMA connectors
- Video - DVI / VGA
- 16x2 LCD character display



Spartan-3A DSP S3D1800A MicroBlaze Processor Edition Embedded Development HW/SW Kit

Purpose: Flexible Embedded Processing Development Kit
 Kit part number: DO-SD1800A-EDK-DK-UNI-G
 Devices Supported: XC3SD1800A-4FGG676C FPGA
 Kit Resale Price: \$595

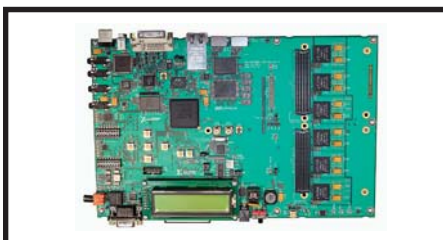
Description

A comprehensive development kit of hardware, design tools, IP and pre-verified reference designs can rapidly accelerate your embedded development. The Spartan-3A DSP 1800A Edition of the MicroBlaze Development Kit includes the Spartan-3A DSP 1800A development board, Platform Studio embedded tool suite and ISE design software, supporting MicroBlaze soft processing design. This kit is RoHS compliant.

Features

- Xilinx Devices: XC3SD1800A-4FGG676C
- Full Seat of Platform Studio embedded tool suite
- ISE WebPACK FPGA design software
- Reference Designs, USB programming download cable, UART and Ethernet cables and power supply

For further details, please visit www.xilinx.com/s3adspmb



Spartan-3A DSP 3400A Edition XtremeDSP Development Platform

Purpose: Spartan-3A DSP application development solution
 Kit Part Number: HW-SD3400A-DSP-DB-UNI-G
 Device Supported: XC3SD3400A-4FGG676C Spartan-3A DSP FPGA
 Kit Resale Price: \$995

Description

Powered by the Spartan™-3A DSP 3400A device and supported by industrystandard peripherals, connectors and interfaces, the Spartan-3A DSP Platform provides a rich feature set that spans a wide range of applications. Designed for use with the Xilinx System Generator for DSP development platform, the Spartan-3A DSP Development Platform provides a great entry-level environment for developing signal processing designs.

Features

- Xilinx Devices: XC3SD3400A-4FGG676C Spartan-3A DSP FPGA
- On-board 256 MB DDR2 SDRAM; 256 Mbits Flash; 9 Mbits ZBT SRAM; 32 Mbits Platform Flash; 16 Mbits SPI EEPROM; 256 MB Compact Flash
- Two FMC (FPGA Mezzanine Card) LPC expansion connector

For further details, please visit www.xilinx.com/s3adsp_db



Spartan-3 PCI Express Starter Kit

Purpose: Spartan-3 PCIe application development solution
 Kit Part Number: HW-S3PCIE-DK
 Regional Version: HW-S3PCIE-DK-J
 Device Supported: Spartan-3 XC3S1000-4FG676C
 Kit Resale Price: \$349

Description

The Spartan™-3 PCI Express Starter Kit is a complete development board solution giving designers instant access to the capabilities of the Spartan-3 family and the Xilinx PCI Express Core. Complete kit includes board and evaluation software.

Features

- Equipped with Spartan-3 FPGA XC3S1000-4FG676C, and Platform Flash XCF08P-VO20C
- Development board with PCI Express X1 Card Edge, NXP PCI Express PHY device PX1011A, 32MB x 32 DDR SDRAM, a 50 MHz crystal clock oscillator, an RS-232 Serial Port, Video DAC, and more
- Kit includes development board, power supply, programming cable, design tools evaluation software, collateral and more

For further details, please visit www.xilinx.com/s3pciestarter



CoolRunner-II Starter Kit Featuring the DataGATE Low-Power Advantage

Purpose: General purpose CPLD Evaluation board
 Kit Part Number: SK-CR11-L-G
 Device Supported: XC2C256-TQ144
 Kit Resale Price: \$39

Description

The CoolRunner™-II CPLD starter kit provides an out-of-the-box solution with all the tools necessary to evaluate and implement your designs using a high performance, low-power CPLD. DataGATE switch allows designers to easily evaluate this unique power option that permits input signal blocking, stops input switching and significantly reduces power that extends battery life. Full API support so custom applications can directly program and access CPLD.

Features

- Complete "Out-of-the-Box" evaluation platform
- CoolRunner-II Utility Window
- Easy set-up and monitoring
- DataGATE evaluation "switch"
- Free reference designs



CoolRunner-II Starter Kit Peripheral Module Bundle

Purpose: Expansion cards for CoolRunner-II Starter Kit
 Kit Part Number: HW-CR11-PM-ACC-G
 Device Supported: CoolRunner-II Starter Kit
 Kit Resale Price: \$99

Description

The CoolRunner-II Peripheral Module Bundle adds eight individual modules to your CoolRunner-II Starter Kit. Add A/D, D/A, serial flash, DC motor amplifier, or a speaker/headphone amplifier module to your CoolRunner-II Starter Kit (sold separately), and expand functionality at low-cost.

Features

- 8-bit, 1MSa/s A/D converter, 2 channels (PMod-AD1)
- 12-bit, 1MSa/s D/A converter, 2 channels (PMod-DA2)
- H-bridge amplifier for DC motor drive, 12V, 2A (PMod-HB3)
- Connector module for driving 4 servo motors (PMod-CON3)
- 1-watt speaker/headphone amplifier (PMod-AMP1)
- 16Mbit serial Flash (PMod-SF)
- 4 open collector outputs (PMod-OC1)
- RS-232 serial port (PMod-RS232)

For further details, please visit www.xilinx.com/cr2starter