



Enhance your engineering productivity and accelerate time to market with the Xilinx Spartan-3 Evaluation Kit from Avnet Design Services. The kit delivers a stable platform to develop and test designs targeted to the world's lowest cost per gate and lowest cost per I/O FPGA. The installed XC3S400 device offers a prototyping environment to effectively implement 32-bit PCI, 10/100 Ethernet and video designs. Also provided are PS2 ports, a JTAG configuration port and RS-232 console interface. Demonstration VHDL code is included with the kit to exercise sample designs on the evaluation board for a quick start to device familiarization. The Xilinx Spartan-3 family delivers not only low-cost, but also low-risk and extreme flexibility in a wide range of applications.

The purchase of this kit qualifies Avnet customers to attend one of many hands-on laboratory classes conducted by our Field Application Engineers, a \$99 value. These SpeedWay™ Design Workshops teach skills critical to accelerating your design cycle. Visit www.em.avnet.com/avnetspeedway to see the complete list of SpeedWay Workshops.

The Xilinx Spartan-3 Evaluation Kit includes:

- Evaluation board
- User's guide
- Schematics
- Bill of materials
- Parallel download cable
- Wall mount power supply (5V)
- VHDL source code for sample designs

Features:

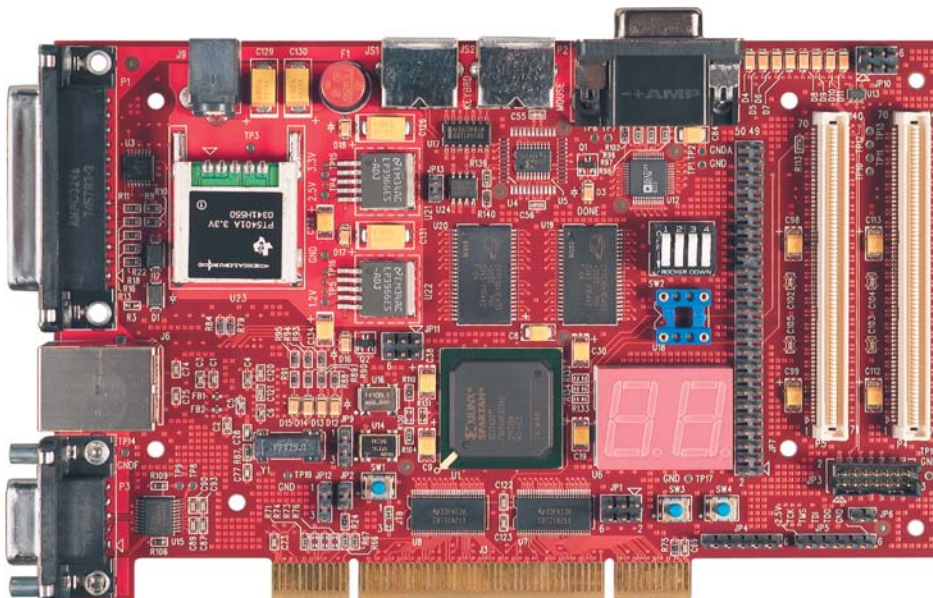
- ▲ Xilinx XC3S400-FG456 or XC3S1500-FG456 Spartan-3 FPGA
- ▲ Xilinx platform FLASH configuration PROM
- ▲ 2 Oscillators (66 MHz installed & socket for use frequency selection)
- ▲ Parallel cable III equivalent JTAG configuration port
- ▲ 2 AvBus expansion connectors
- ▲ 1, 50-pin header for easy I/O access (includes 4 LVDS pairs)
- ▲ Universal 32-bit PCI edge connector*
- ▲ 10/100 Ethernet port*
- ▲ DB15 & video DAC
- ▲ RS-232 console
- ▲ PS2 keyboard and mouse ports
- ▲ Analog I/O**
- ▲ 1M SRAM
- ▲ 256kb serial EEPROM
- ▲ 4-position DIP switch
- ▲ 2 push-buttons
- ▲ 8 discrete LEDs
- ▲ Dual-digit 7-segment LED display

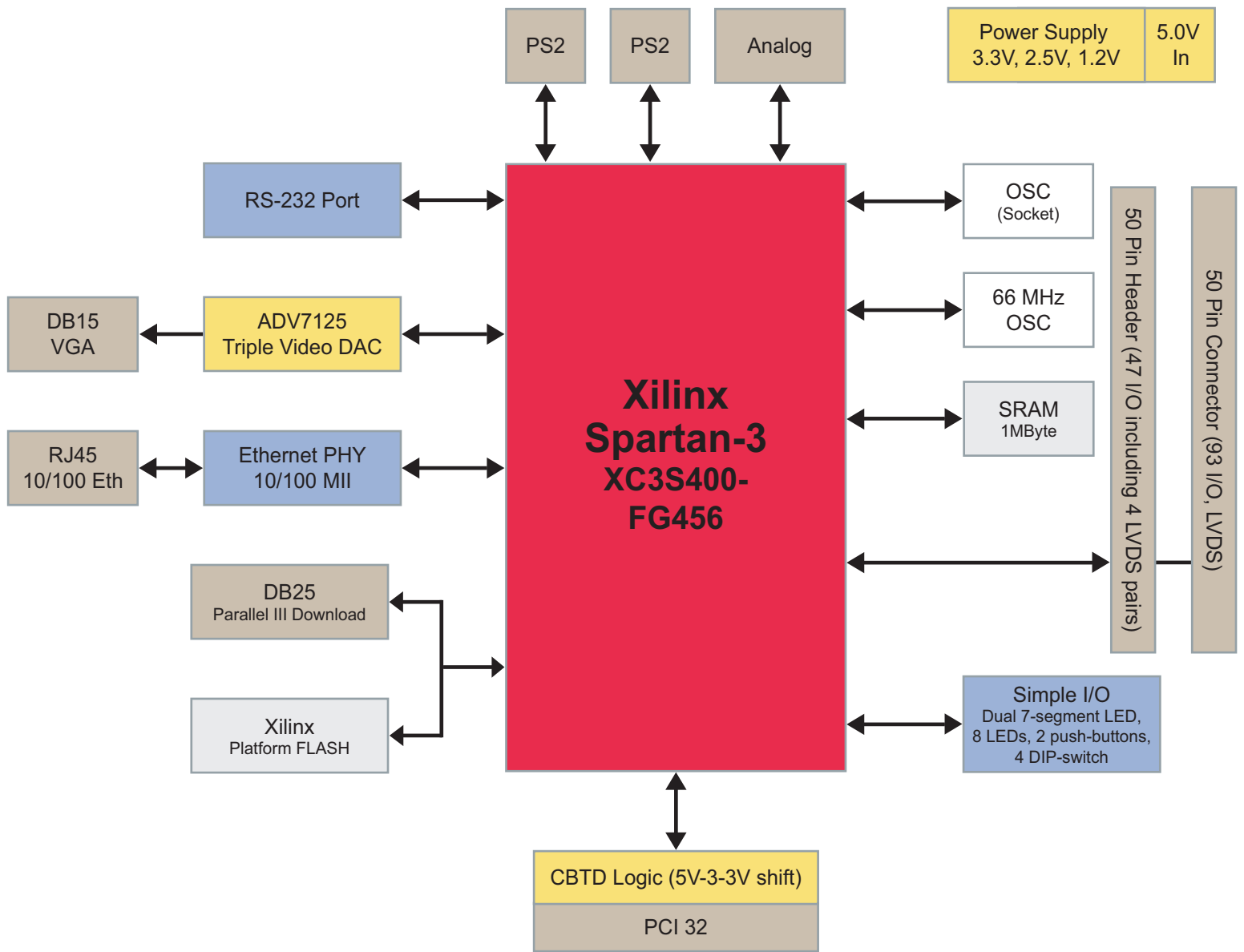
* Development using these ports will require purchase or creation of appropriate IP cores

** Analog I/O provided as described in Xilinx Application Notes XAPP154 & XAPP155

Target Applications:

- ▲ Home networking
- ▲ Digital video
- ▲ Test and measurement
- ▲ Medical and scientific
- ▲ Industrial
- ▲ Automotive





Ordering Information:

Part Number	Hardware	Resale
ADS-XLX-SP3-EVL400	Xilinx Spartan-3 Evaluation Kit populated with an XC3S400 device	\$399.00 USD
ADS-XLX-SP3-EVL1500	Xilinx Spartan-3 Evaluation Kit populated with an XC3S1500 device	\$499.00 USD
ADS-SP3-MB-EVL400	Xilinx Spartan-3 Evaluation Kit populated with an XC3S400 device and bundled with MicroBlaze Core License	\$799.00 USD
ADS-SP3-MB-EVL1500	Xilinx Spartan-3 Evaluation Kit populated with an XC3S1500 device and bundled with MicroBlaze Core License	\$899.00 USD
ADS-BASEX-BUNDLE	ISE <i>BaseX</i> (only available with purchase of the ADS-XLX-SP3-EVL400)	\$550.00 USD
ADS-FOUNDATION-BUNDLE	ISE <i>Foundation</i> (only available with purchase of the ADS-XLX-SP3-EVL1500)	\$2,400.00 USD

Supporting suppliers:



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