



## Xilinx® Spartan™-3 Development Kit

Enhance engineering productivity and accelerate time to market with the Xilinx Spartan-3 Development 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 XC3S1500/2000 device offers a prototyping environment to effectively implement on-board peripherals providing audio/video, communications, basic I/O, and storage capability, while expansion connectors provide connectivity to custom and existing Avnet expansion modules. Two AvBus expansion connectors have dedicated I/O for maximum performance when used with Avnet modules. Demonstration VHDL code is included with the kit to exercise sample designs 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 Xilinx Spartan-3 Development Kit includes:

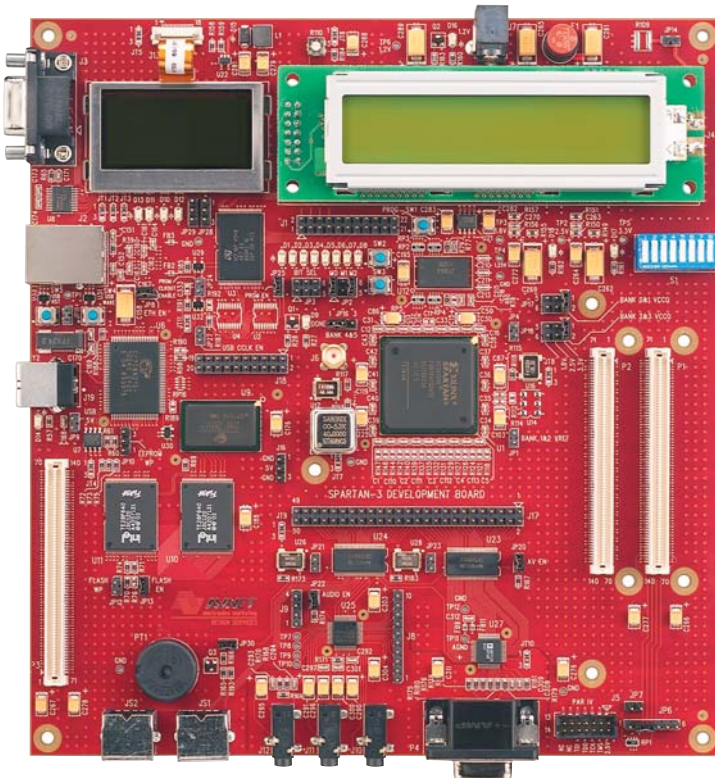
- Development board
  - User's guide
  - Schematics
  - Bill of materials
- DC power supply module (5V)
- VHDL source code for sample designs

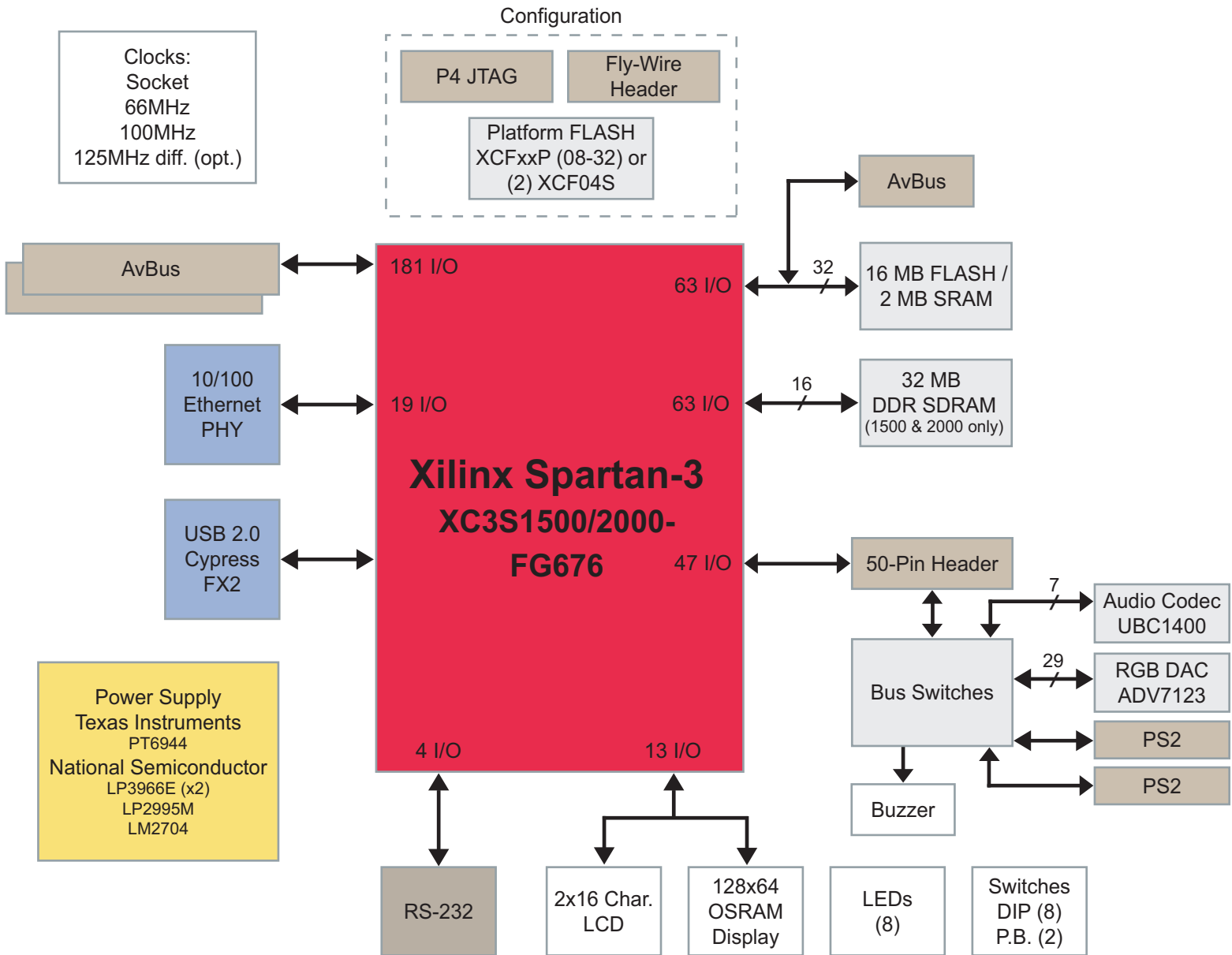
### Features:

- ▲ FPGA
  - Xilinx XC3S1500/2000-FG676 Spartan-3 FPGA
- ▲ I/O Peripherals
  - 2x16 character LCD
  - 128x64 OSRAM OLED graphical display
  - DB15 & video DAC
  - Audio Codec
  - PS2 keyboard and mouse ports
  - 8-position DIP switch
  - 2 push-buttons
  - 8 discrete LEDs
  - Piezo buzzer
  - 3, 140-pin general purpose I/O expansion connectors (AvBus)
  - Up to 30 LVDS pairs
  - 1, 50-pin 0.1" header for easy I/O access
- ▲ Memory
  - Micron DDR SDRAM (32 MB)
  - 16 MB FLASH
  - 2 MB SRAM
- ▲ Communication
  - RS-232 serial port
  - 10/100 Ethernet
  - USB 2.0
- ▲ Configuration
  - Xilinx platform FLASH configuration PROM(s)
  - Parallel IV cable support for JTAG
  - Fly-wire support for Parallel III and MultiLINX™

### Target Applications:

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





**Supporting suppliers:**



**Ordering Information:**

Part Number	Hardware	Resale
ADS-XLX-SP3-DEV1500	Xilinx Spartan-3 Development Kit	\$749.00 USD

**Contact Information:**

<b>North America</b> 2211 South 47th St. Phoenix, Arizona 85034 United States Tel: +1 800 585 1602 eval.kits@avnet.com	<b>Europe</b> Gruber Str. 60 85586 Poing Germany silica.marketing@avnet.com	<b>Asia</b> 7 Changi South St. 2 #01-00 Singapore, 486415 asia.evalkits@avnet.com
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