



Spartan-3AN FPGA Starter Kit

With its out-of-the-box guarantee, you'll be testing and designing FPGA solutions in minutes with the new Spartan-3AN Starter Kit.

The general-purpose non-volatile Spartan™-3 Generation FPGA platform evaluation board includes DDR2 memory, 10/100 Ethernet PHY, A/D circuitry, VGA and RS232 connectors, and an expansion mechanism. Robust subsystems allow you to:

- Multi-boot pre-programmed reference designs in a single session
- Prototype countless applications with support for 26 single-ended and differential I/O standards
- Connect to DDR2 memory for rapid data transfer using a proven memory interface controller
- Shorten development time with pre-verified design files and schematics
- Safeguard your designs with exclusive Spartan-3AN FPGA features



Price: \$225

Part Number: HW-SPAR3AN-SK-UNI-G-PROMO

What's Included

- Evaluation board
- Xilinx® ISE™ software, WebPACK™ software, and ISE Foundation software evaluation
- 100-240 V, 50/60 Hz power supply with universal plug adaptors
- Quick-start guide
- Programming cable
- Product collateral

Key Features

- Xilinx Devices: Spartan-3A FPGA (XC3S700A-FG484) and Platform Flash PROM (XCF04S-VOG20C)
- Clocks: 50-MHz crystal oscillator on-board, open slot for optional user-installed clock

- Memory: 4-Mb Platform Flash PROM, 32 M x 16 DDR2 SDRAM, 32-Mb parallel flash, two 16-Mb SPI flash devices
- Analog Interface Devices: Four-channel D/A converter, two-channel A/D converter, signal amplifier
- Connectors and Interfaces: Ethernet 10/100 PHY, JTAG USB download port, two 9-pin RS-232 serial port, PS/2-style mouse/keyboard port, 15-pin VGA connector capable of 4,096 colors, one FX2 100-pin and two 6-pin expansion connectors, 20 user I/O available on stan-

dard header pins, stereo mini-jack for PWM audio, rotary/push-button function switch, eight individual LED outputs, four slider switches, four push-button switches

- Display: 16-character, two-line LCD

Targeted Applications

- Markets: Consumer, telecom/datacom, servers, storage
- Applications: General prototyping

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- Learn more about the Spartan-3AN FPGA Starter Kit.
- Buy online from Avnet, Nu Horizons, or your local distributor.
- E-mail designkits@xilinx.com for more information.