

DSP Development Boards and Kits



Xilinx DSP development boards and starter kits provide the fastest path to implementing your systems or algorithms onto FPGAs.

Xilinx, together with distributors and third party partners, offers a complete line of development and expansion boards to help you test and develop designs using Xilinx® devices over a wide range of applications. The following boards and kits are for DSP applications.

Virtex-5 SXT ML506 Evaluation Platform

The ML506 is a feature-rich DSP general-purpose evaluation and development platform (Figure 1). Though economically priced, the ML506 offers you the ability to create DSP-based and high-speed serial designs utilizing Virtex™-5 DSP48E slices and RocketIO™ GTP transceivers. A variety of on-board memories and industry-standard connectivity interfaces add to the ML506's ability to serve as a versatile development platform for embedded applications.

Part Number:
HW-V5-ML506-UNI-G

Price: \$1,195

Purchase: Avnet, NuHorizons,
local distributor



Figure 1 – Virtex-5 SXT ML506 Evaluation Platform

XtremeDSP Development Platform – Spartan-3A DSP 3400A Edition

Powered by the Spartan™-3A DSP 3400A device and supported by industry-standard peripherals, connectors, and interfaces, the Spartan-3A DSP Development Platform provides a rich feature set that spans a wide range of applications (Figure 2). Designed for use with Xilinx System Generator for DSP, the XtremeDSP™ Development Platform provides a great entry-level environment for developing signal processing designs.

Part number:
HW-SD3400A-DSP-DB-UNI-G

Price: \$995

Purchase: Avnet, NuHorizons,
local distributor



Figure 2 – XtremeDSP Development Platform

XtremeDSP Starter Platform – Spartan-3A DSP 1800A Edition

The low-cost Spartan-3A DSP Starter Platform (Figure 3) is the ideal way to evaluate your DSP applications on the DSP-optimized Spartan-3A DSP 1800A device. This versatile platform is supported by industry-standard peripherals, connectors, and interfaces. Designed for use with Xilinx System Generator for DSP and ISE™ software development tools, the XtremeDSP Starter Platform provides a great low-cost, entry-level environment for developing signal processing designs.



Figure 3 – XtremeDSP Starter Platform

The Spartan-3A DSP 1800A XtremeDSP Starter Platform gives you instant access to the capabilities of the Spartan-3A DSP family to target signal processing applications in the wireless, automotive, consumer, industrial, medical, defense/aerospace, server, storage, and telecom/datacom markets.

Part Number:
HW-SD1800A-DSP-SB-UNI-G

Price: \$295

Purchase: Avnet, NuHorizons,
local distributor