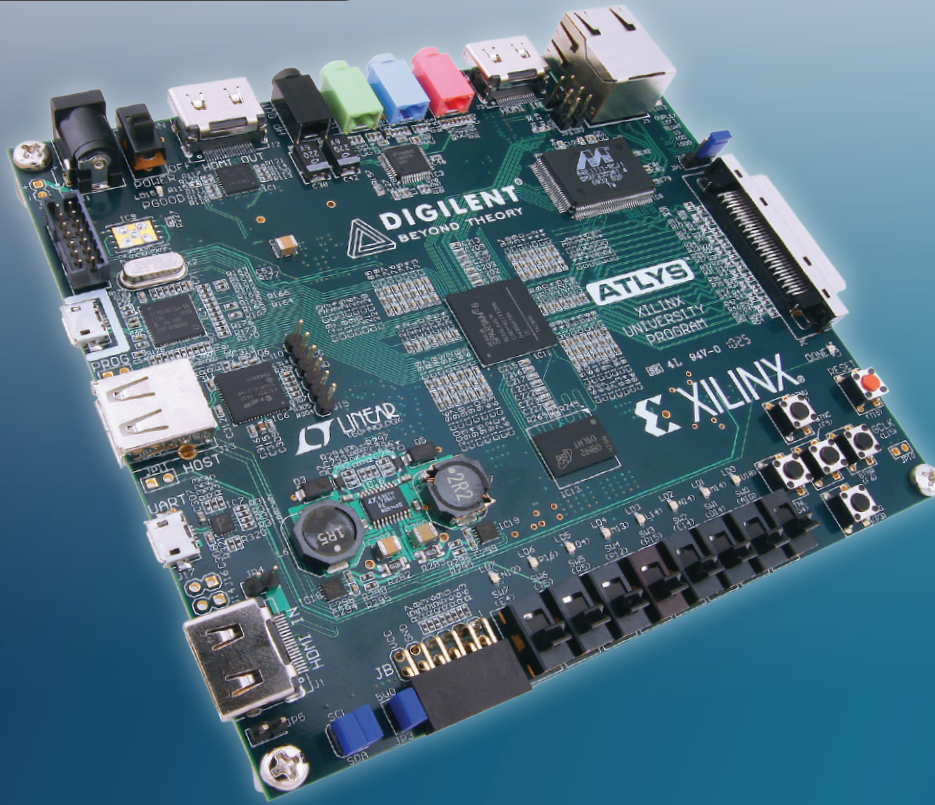


ATLYS™

DIGILENT
BEYOND THEORY



Engineered for



Free CAD tools
from Xilinx

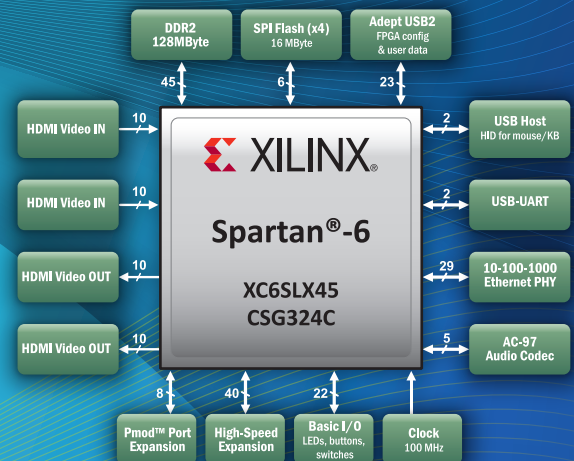


Comprehensive Spartan®-6 Design Platform

The Atlys circuit board is a complete, ready-to-use digital circuit development platform based on a Xilinx Spartan 6 LX45 FPGA. The on-board collection of high-end peripherals, including Gbit Ethernet, HDMI Video, 128Mbyte DDR2 memory array, audio and USB ports make the Atlys board an ideal host for complete digital systems built around embedded processors like Xilinx's MicroBlaze. Atlys is fully compatible with all Xilinx CAD tools, including ChipScope, EDK, and the free WebPack, so designs can be completed with no extra costs.

The Atlys board includes Digilent's newest Adept USB2 system that offers device programming, real-time power supply monitoring, automated board tests, virtual I/O, and simplified user-data transfer facilities.

- Xilinx Spartan-6 XC6SLX45 FPGA
- Two input and two output HDMI ports
- 1Gbit (64MB x 16) DDR2
- 128Mbit x4 Quad SPI Flash
- Trimode (10/100/1000) Ethernet Interface
- Audio codec with line in, line out, mic and headphone ports
- USB-UART and USB-HID host (for mice/keyboards) ports
- On-board USB-based FPGA configuration circuitry
- On-board, real-time power supply monitors



www.digilentinc.com