

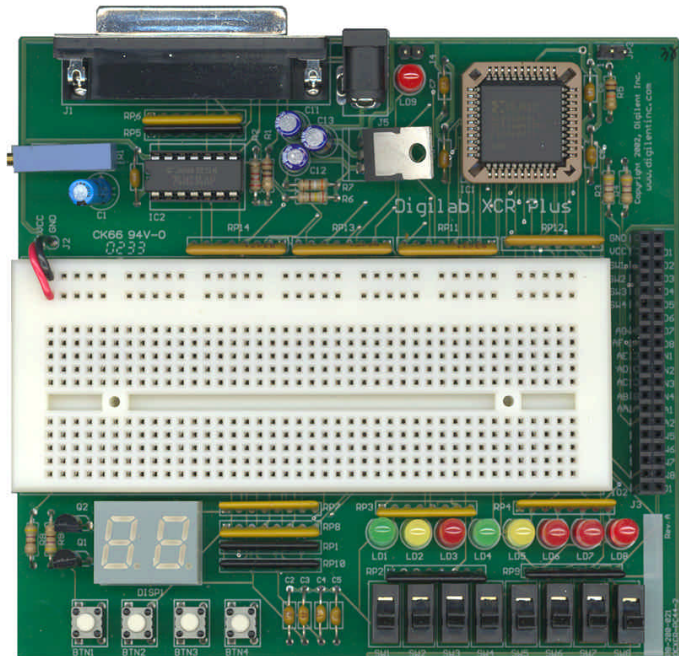
Digilent XCRP Board

All-in-one board featuring the Xilinx CoolRunner CPLD



www.digilentinc.com

The CPLD-based XCRP development board provides a platform that can be used to implement digital circuits of all kinds, from complex combinational logic to sequential machines and controllers. The “all-in-one” XCRP board features a 64 macrocell, 1600 gate Xilinx CoolRunner CPLD and several useful I/O devices. The XCRP can run on 2 AA batteries or a wall-plug power supply (included). It works seamlessly with Xilinx’s free WebPack tools, and it ships with a programming cable, so designs can be completed anywhere a PC exists with no additional costs. The XCRP provides an ideal platform for engineers who want to learn digital design techniques using modern technologies.



FEATURES AND BENEFITS

- 64 macrocell, 1600 gate Xilinx XCR3064 CPLD with non-volatile, indefinite storage of designs
- Can be used with the included power supply, or run more than 60hrs on 2 AA cells
- User-settable oscillator (0.5Hz to 4KHz range)
- JTAG programming using a standard parallel cable (included)
- Two high-bright seven-segment displays
- Four de-bounced buttons
- Eight slide switches
- Eight LEDs in three colors (red, green, and yellow)
- An integral solderless breadboard so that expansion circuits can be constructed right on the XCRP board
- 40-pin expansion connector

APPLICATIONS

- Provides ideal platform for learning about digital circuits and modern design methods
- Low-cost introduction to Xilinx devices and tools

