Rabbit® 3000 Microprocessor

Features

8-bit general purpose CPU

16-bit logical address space, 20-bit physical address space

Seven 8-bit parallel ports

Six serial ports; four async/clocked serial, two async/hdlc

Input capture, PWM and quadrature decoder

Real-time clock

Clock frequency doubler & clock spectrum spreader

Watchdog timer

Description

The Rabbit 3000 is the second generation of Rabbit microprocessors, expanding on the basic peripheral set of the Rabbit 2000. The instruction set has been slightly expanded to support a new System/User mode of operation.

Using a basic two-clock-cycle machine cycle, the device is contains even more low-power features than the original Rabbit 2000.

The design can be supplied as the CPU only, or as the entire system with all of the peripherals.