

# APB Pulse Width Modulator

## Overview

The APB PWM Module is a standard APB peripheral that generates a programmable duty-cycle output signal. The frequency of the output waveform is either 256 or 4096, depending on whether a 4-bit prescaler is enabled. The duty cycle can be programmed with 8-bit resolution from either the APB interface or from an external controller interface. The output can be disabled or enabled. Disabling resets the counter to zero for the next enable.

## Features

- AMBA® APB Compatible
- Prescale and non-prescale modes
- 4-bit prescaler
- 8-bit counter/accumulator
- Strobe and Data input for synchronization

## Deliverables

- Verilog Source
- Complete Test Environment
- APB Bus Functional Model

