

32-bit GPT IP

General PWM Timer

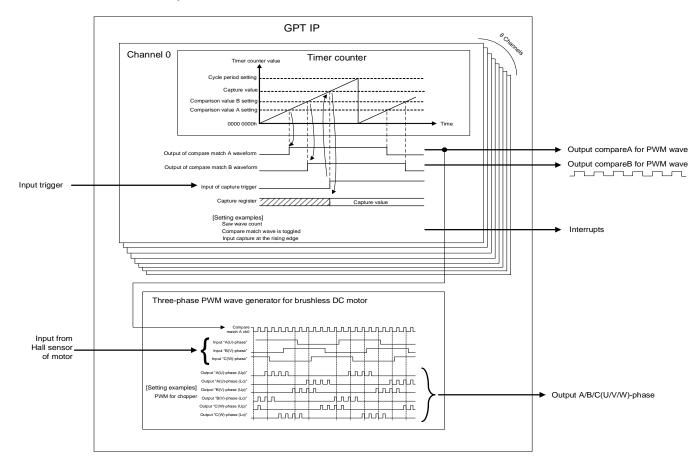
Overview

This IP is a general PWM timer consisting of 8-channel 32-bit timer and one 3-phase PWM wave generator for brushless DC motor.

This IP is encrypted RTL.

Key Features

- 32 bits timer counter x 8 channels
 - Counter operation(Saw-wave and Triangle-wave)
 - Waveform output by compare match(A/B per channel)
 - Captures counter value by input trigger
- 3-phase PWM wave generator for brushless DC motor
 - PWM output for chopper
 - Level output



Note: 3-phase means full wave 6-outputs(A-Up, A-Lo, B-Up, B-Lo, C-Up, C-Lo). U/V/W are another names of A/B/C.