

## TTC 接口函数

1. *BOOL FTtcPs\_init(FTtcPs\_T \*dev, u32 id, u32 addr)*

描述	* This function initializes timer.
参数	* @param dev is ttc device handle. * @param id is ttc device id 0 or 1.
返回值	* @return TRUE if successful, otherwise do not support.

2. *FTtcPs\_setTimerEnble(FTtcPs\_T \*ttc, u8 ttcNo, u8 mode)*

描述	* This function is used to enable timer.
参数	* @param ttc is ttc device handle. * @param ttcNo is timer number 1-3. * @param mode is enable if 1, disable if 0.
返回值	* @return 0 if successful, otherwise 1.

3. *u8 FTtcPs\_setTimerMode(FTtcPs\_T \*ttc, u8 ttcNo, enum FTimerPs\_run\_mode mode)*

描述	* Set timer operation mode.
参数	* @param ttc is ttc device handle. * @param ttcNo is timer number 1-3. * @param mode -- free_running_mode/user_DefinedCount_mode.

返回值	* @return 0 if successful, otherwise 1.
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#### 4. *u8 FTtcPs\_setTimerInterruptMask(FTtcPs\_T \*ttc, u8 ttcNo, u8 mode)*

描述	* Set timer interrupt mask mode.
参数	* @param ttc is ttc device handle. * @param ttcNo is timer number 1-3. * @param mode -- 0, no mask. * mode -- 1, mask.
返回值	* @return 0 if successful, otherwise 1.

#### 5. *u8 FTtcPs\_setTIMERPWM(FTtcPs\_T \*ttc, u8 ttcNo, u8 mode)*

描述	* Set timer PWM mode.
参数	* @param ttc is ttc device handle. * @param ttcNo is timer number 1-3. * @param mode -- 0, off PWM. * mode -- 1, on PWM.
返回值	* @return 0 if successful, otherwise 1.

#### 6. *u8 FTtcPs\_TimerNLoadCount(FTtcPs\_T \*ttc, u8 ttcNo, u32 counter)*

描述	* Set timer counter.
参数	* @param ttc is ttc device handle. * @param ttcNo is timer number 1-3. * @param counter -- 32 bits timer reload value.
返回值	* @return 0 if successful, otherwise 1.

7. *u8 FTtcPs\_TimerNLoadCount2(FTtcPs\_T \*ttc, u8 ttcNo, u32 counter)*

描述	* Set timer LoadCount2 value(HIGH LEVEL), only active as PWM on
参数	* @param ttc is ttc device handle. * @param ttcNo is timer number 1-3. * @param counter -- 32 bits timer reload value.
返回值	* @return 0 if successful, otherwise 1.

8. *u32 FTtcPs\_ClearAllInterrupt(FTtcPs\_T \*ttc)*

描述	* Clear all timer interrupt.
参数	* @param ttc is ttc device handle.
返回值	* @return return value is meaningless.

9. *u32 FTtcPs\_ClearTimerNInterrupt(FTtcPs\_T \*ttc, u8 ttcNo)*

描述	* Clear timerX interrupt.
参数	* @param ttc is ttc device handle. * @param ttcNo is timer number 1-3.
返回值	* @return return value is meaningless.

10. *u32 FTtcPs\_getTimerNStatus(FTtcPs\_T \*ttc, u8 ttcNo)*

描述	* get timer status.
参数	* @param ttc is ttc device handle. * @param ttcNo is timer number 1-3.
返回值	* @return return status of ttc.

