# 十速 TWR98/99/100/100A Writer User Manual Rev 3.17

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# **AMENDMENT HISTORY**

Version	Date	Description
V3.12	Jan, 2022	<ol> <li>Add New IC writer function TM52 series : TM52F0676, TM52F8368A, TM52FC1335, TM52F1378, TM52F086B, TM52FN8276, TM52FN8273, TM52FN8274, TM52FN8278, TM52F0876</li> <li>TM56 series : TM56F8406, TM56F8408</li> <li>TM57 series : TM57M5625S</li> <li>Add some IC license mode programming function: TM52F1376, TM52F1378</li> <li>Add some IC rolling code programming function: TM52F1376, TM52F1378</li> <li>Add some IC programming time record function: TM52F1376, TM52F1378</li> <li>Add some IC programming time record function: TM52M8254, TM52M8258, TM52M8264, TM52M8268, TM52M8254B, TM52M8254B, TM52M8264B, TM52M8268B</li> <li>Modify some software/firmware bugs</li> </ol>
		6. Writer user manual update.
V3.13	May, 2022	<ol> <li>Add New IC writer function TM52 series : TM52F1376T, TM52F1378T, TM52F1732 TM52FN8276Z, TM52F836816 TM56 series : TM56P8440 TM57 series : TM56P8440 TM57 series : TM57MA28NA, TM57MA29NA, 57MA2835MD TM87 series : TM87PL37H, TM87PL37L</li> <li>Add some IC license mode programming function: TM52FN8273, TM52FN8274, TM52FN8276, TM52FN8278, TM57M5620, TM57M5625</li> <li>Add some IC rolling code programming function: TM57P8640, TM57P8645</li> <li>Modify some software/firmware bugs.</li> <li>Writer user manual update.</li> </ol>
V3.14	Oct, 2022	<ol> <li>Add New IC writer function TM52 series : TM52eF1374, TM52eF1375, TM52F1375G, TM52F1376B, TM52F1363</li> <li>TM56 series : TM56F1522, TM56F1552, TM56M1511, TM56M1531, TM56F1543</li> <li>TM57 series : TM57MA28ND, TM57MA28NE, TM57MA29ND, TM57MA29NE</li> <li>TM87 series : TM87PL36H, TM87PL36L</li> <li>Modify some software/firmware bugs.</li> <li>Writer user manual update.</li> </ol>
V3.15	Dec, 2022	<ol> <li>Add New IC writer function TM52 series : TM52eF1375A.</li> <li>Modify some software/firmware bugs.</li> <li>Writer user manual update.</li> </ol>
V3.16	May, 2023	<ol> <li>Add New IC writer function : TM52 series : TM52eF1385 TM56 series : TM56M1521H, TM56M1522, TM56F1542 TM87series : TM87PL35L/ TM87PL35H</li> <li>Modify some software/firmware bugs.</li> <li>Writer user manual update.</li> </ol>
V3.17	Aug, 2023	<ol> <li>Add New IC writer function : TM52 series : TM52F1364</li> <li>Modify some software/firmware bugs.</li> <li>Writer user manual update.</li> </ol>



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# **PRODUCT NAME**

TWR98/99/100/100A

# TITLE

USB Writer

# **FEATURES**

- 1. USB Interface.
- 2. The device can be attached to a computer and controlled by software for programming or it can also be operated independently as a stand-alone writer.
- 3. Both software and firmware can be updated.

#### 1. Supported IC Series

#### **<u>1.1</u>** Supported IC Type

1. 4-bit TM87 series:

TM8793	TM8795	TM87P04	TM87P08	TM87ML23
TM87ML28L	TM87ML28H	TM87P18M	TM87ML22L	TM87ML22H
TM87ML25L	TM87ML25H	TM87ML26L	TM87ML26H	TM87PL37L
TM87PL37H	TM87PL36H	TM87PL36L	TM87PL35L	TM87PL35L

Note1 : Only TWR100/100A hardware support

#### 2. 4-bit TM89 series:

TM89P51M	TM89P52M	TM89P55M	TM89P57M	TM89P59M
TM56F8406	TM52F8408			

#### 3. 8-bit TM55 series:

TM55M8428	TM55M8228	TM55M8428T	

#### 4. 8-bit TM56 series:

TM56F8225	TM56F8228	TM56F5412	TM56F5416	TM56F5412B
TM56F5416B	TM56F8406	TM52F8408	TM56P8440	M56F1522
TM56F1552	TM56M1511	TM56M1531	TM56F1543	TM56M1521H
TM56M1522	TM56F1542			

5. 8-bit TM57 series:

TM57FA40 TM57FA40A	TM57FLA80	TM57FLA80A	TM57MA16	
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TM57MA1660	TM57MA1668	TM57MA1672	TM57MA20	TM57MA51A
TM57MA21B	TM57MA25	TM57ME20	TM57ME16	TM57ME16AS
TM57ML40	TM57MR10	TM57MR20	TM57PA10	TM57PA10A
TM57PA11	TM57PA11B	TM57PA15	TM57PA16	TM57PA16AS
TM57PA16B	TM57PA20	TM57PA20A	TM57PA20AS	TM57PA20B
TM57PA20E	TM57PA21	TM57PA21B	TM57PA25	TM57PA25B
TM57PA28	TM57PA40	TM57PA40E	TM57PA45	TM57PA45C
TM57PE10	TM57PE11	TM57PE11A	TM57PE11BS	TM57PE11C
TM57PE11CS	TM57PE12	TM57PE12D	TM57PE12AS	TM57PE15AS
TM57PE15A	TM57PE15C	TM57PE15CS	M57PE20A	TM57PE20B
TM57PE40	TM57PT16	TM57PT16AS	TM57PT16B	TM57PT20A
TM57PT20B	TM57PT45	TM57PT45C	TM57M5541	TM57M5545
TM57M5551	TM57MA17	TM57MA18	TM57MA21BZ	TM57MA28
TM57ME15B	TM57M5526C	TM57M5536C	TM57MA45	TM57MA46
TM57M5406	TM57M5408	TM57M5610	TM57M5615	TM57ME15CG
TM57M57M5640	TM57M5645	TM55M8228	TM57M8248	TM57M8248T
TM57MA28B	TM57MA28MB	TM57MA29	TM57MA29C	TM57M5620
TM57M5625	TM57MA2835	TM57P8620	TM57P8625	TM57P8640
TM57P8645	TM57M5625S	TM57MA28NA	TM57MA29NA	TM57MA28ND
TM57MA28NE	TM57MA29ND	TM57MA29NE		

#### 6. 51 MCU series:

TM52F2260	TM52F2261	TM52F2264	TM52F2280	TM52F2280B
TM52F2284	TM52F2284B	TM52M5254	TM52F5268B	TM52F5274B
TM52M5258	TM52F5264B	TM52F5268	TM52F5288	TM52F5288C
TM52F5278B	TM52F5284	TM52F5284C	TM52F5273B	TM52F5274C
TM52F5250	TM52F5264C	TM52F5268C	TM52F5273	TM52F2268
TM52F5276B	TM52F5278C	TM52F5276	TM52M8268	TM52F8273
TM52M8254	TM52M8258	TM52M8264	TM52F8273T	TM52F8276T
TM52F8276	TM52F8274	TM52F8278	TM52M8258B	TM52M8264B
TM52F8274T	TM52F8278T	TM52M8254B	TM52FE8274	TM52FE8276
TM52M8268B	TM52F8368	TM52FE8278	TM52FE8976	TM52EF8278B
TM52FE8273	TM52F8558	TM52F8658	TM52FE8276B	TM52FE8273B.
TM52FE8274B	TM52F086A	TM52F1376	TM52F0676	TM52F8368A
TM52FC1335	TM52F1378	TM52F086B	TM52FN8276	TM52FN8273
TM52FN8274	TM52FN8278	TM52F0876	TM52F1732	TM52eF1374
TM52eF1375	TM52F1375G	TM52F1376B	TM52F1363	TM52eF1375A
TM52eF1385	TM52eF1386	TM52F1364		

#### 7. USB series:

TMU3130	TMU3131	TMU3132	TMU3132LV	TMU32FA80
TMU3131F6	TMU3131F8			



#### **<u>1.2</u>** Program Filename Extension:

- 1. .epm file: TM87, TM89 series program filename
- 2. .tenx file: 51 MCU series program filename
- 3. .hex file: TM55, TM56, TM57 series program filename



#### 2. Hardware and PC Setup

#### **<u>2.1</u>** System Requirements:

- a. Applicable in Windows 98/ME/2000/XP, Windows 7, Windows 8, Windows 8.1 system, Windows 10 system
- b. Need more than 100MB of hard disk space.

#### **<u>2.2</u>** PC Setup:

- a. The user to enter tenx company website : <u>http://www.tenx.com.tw</u>.
- b. Execute Setup\_Writer\_Version2.0.2\_Build 019.exe to enter the installation program, follow the screen to complete the installation.

#### **<u>2.3</u>** Hardware connection:

Step 1. Connect the DC 9V Adapter and USB Cable (mini B Type).



Step 2. Turn the Power on.





# 3. Hardware Function Illustration

a. TWR98 hardware (The following is a functional description)



b. TWR99 hardware (The following is a functional description)





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  7.
- c. TWR100 hardware (The following is a functional description)

d. TWR100A hardware (The following is a functional description)



Note : TWR100A hardware must be used with the writer board (as shown) TWR100A writer board, reserve a ground line for program with an automatic machine.



- 3.1 Mode function Key: Select the program mode function:
  - a. Mode1: CHIP NAME



b. Mode2: AUTO (Blank check + Program+Verify) function



c. Mode3: BLANKCHECK function

(OTP series IC: Blankcheck)

(FLASH/MTP series IC: Erase+Blank check)



d. Mode4: PROGRAM (Program+Verify) function



e. Mode5: VERIFY function





f. Mode6: CHECKSUM\_E =>Display the EEPROM buffer Checksum

This function is used to check the correctness of the PC download data, which is to be programmed to the EEPROM.

It is deemed correct if the Checksum value from EEPROM equals to the Checksum value from software.



g. Mode7: CHECKSUM\_O =>Display the OTP Chip Checksum

This function is used to read back the data from the OTP Chip to do the Checksum calculation.

It will be deemed correct only if the Checksum value from OTP chip equals to the Checksum value from EEPROM.



h. Mode8: SW : =>Display Software version / FW : =>Display Firmware version





- 3.2 Enter function key: Execute the mode function
- 3.3 LCD: Display the Mode function and programming result
- 3.4 Programming Socket
- 3.5 Writer IC programming-pins



- Note 1: Program Port (picture left, mid and right P5 Port), Provide users with self-pull wire programming or programming on the board, P2 Port (picture right) only used in 4-bit programming.
- Note 2: When the TWR100 Writer user pulls wire form the Program Port (picture mid), VPP Pin need to add 100R ohm.

<u>3.5.1</u>:

TM87ML25L	TM87ML25H	TM87ML28L	TM87ML28H	TM87ML22L
TM87ML22H	TM87M23	TM87ML26L	TM87ML26H	TM87PL37L
TM87PL37H	TM87PL36H	TM87PL36L	TM87PL35H	TM87PL35L
D D' VI		TND DAV LOCA I	001	

Program Pin : VL3, VBAT, RESET, GND, BAK, IOC3, IOC4.

<u>3.5.2</u>:

TM87P18M					
DESCRIPTION DAY VDAT VDD CND VDD2 DECET INT					

Program Pin : BAK, VBAT, VPP, GND, VDD3, RESET, INT.

#### <u>3.5.3</u>:

TM89P59	TM89P59M	TM89P55M	TM89P52M	TM89P57M	
Program Pin : BAK, VBAT, VPP, RESET, GND, VL5, INT.					

#### <u>3.5.4</u>:

TM8793	TM89P51M			
Dragerow Dir , VLA, VDAT, VDD, CND, DAK, DESET, INT				

Program Pin : VL4 , VBAT, VPP, GND, BAK, RESET, INT.



<u>3.5.5</u>:

TM57PA10	TM57PA40	TM57PE11	TM57PA20	TM57PA21		
TM57PE10	TM57PE11A	TM57PA10A	TM57PE12	TM57PE11B		
TM57PE15A	TM57PE40	TM57PA21	TM57PA25	TM57PA20A		
TM57P11	TM57P11B	TM57P11C	TM57PE11C	TM57PE15C		
TM57P11CU	TM57PE12D	TM57PA11	TM57PE20A	TM57PT20A		
TM57PA45	TM57PA15	TM57PA21B	TM57PA25B	TM57PA16		
TM57PT16	TM57PT45	TM57MA25	TM57PA20B	TM57PA28		
TM57PE20B	TM57PT20B	TM57PA16B	TM57PT16B	TM57PA45C		
TM57PT45C	TM56P8440					

Program Pin : VPP, PA3, VDD, PA1, PA0, PA4, VSS.

#### <u>3.5.6</u>:

TM57PE11B	TM57PE11C	TM57PE15AS	TM57PE15CS	TM57PE15AS
TM57PE12AS	TM57PA20AS			
Program Bin - VDB VDD PA1 PA0 PA4 VSS				

Program Pin : VPP, VDD, PA1, PA0, PA4, VSS.

# <u>3.5.7</u>:

TM57P8620	TM57P8625	TM57P8640	TM57P8645	
Program Pin : VPP , VBAT, PA0, PA1,PA3, PA4, VSS				

#### <u>3.5.8</u>:

TM57FA40	TM57FA40A			

Program Pin : VPP, PA3, PA2, VCC, PA1, PA0, PA4, VSS.

#### <u>3.5.9</u>:

TM57FLA80	TM57ME20	TM57MR10	TM57MR20	TM57MR10
TM57MA20	TM57MA21B	TM57MA16	TM57MA1660	TM57MA1668
TM57MA1672	TM57M5541	TM57M5545	TM57M5551	TM57MA17
TM57MA18	TM57MA21BZ	TM57MA28	TM57M5526C	TM57M5536C
TM57ME15B	TM57ML40	TM57MA45	TM57MA46	TM57M5406
TM57M5408	TM55M8228	TM55M5248	TM55M8248T	TM57MA28B
TM57MA28MB	TM57MA29	TM57MA29C	TM57MA28NA	TM57MA29NA
TM55M8428	TM55M8228	TM55M8428T	TM57MA28NA	TM57MA29NA
TM55M8428	TM55M8228	TM55M8428T	TM57MA28ND	TM57MA28NE



TM57MA29ND	TM57MA29NE		

(1) non ISP mode

Program Pin : VPP, PA3, PA2, VDD5, PA1, PA0, PA4, PA6, VSS.

(2) EXHV ISP mode

Program Pin : VPP, VDD5, PA1, PA0, VSS.

#### <u>3.5.10</u>:

<u> </u>				
	TM57ME16	TM57ME16AS		

Program Pin : VPP, PA3, VCC, PA1, PA0, VSS.

#### <u>3.5.11</u>:

TMU3130	TMU3132	TMU3132LV	TMU32FA80	
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(For the above 4 type, VDD5 and VDD need to be short-recorded when programming.)

(1) non ISP mode

Program Pin : VPP, PA3, PA2, VDD5, DP, DM, PA4, PA6, VSS.

(2) EXHV ISP mode

Program Pin : VPP, VDD5, DP, DM, VSS.

#### <u>3.5.12</u>:

TM52M5254	TM52M5258	TM52M8254	TM52M8258	TM52M8264
TM52M8268	TM52M8254B	TM52M8258B	TM52M8264B	TM52M8268B

(1) non ISP mode

Program Pin : VPP, P3.2, P3.3, VCC, P3.0, P3.1, P1.2, VSS.

(2) EXHV ISP mode

Program Pin : VPP, VCC, P3.0, P3.1, VSS.

#### <u>3.5.13</u>:

TM52M5254	TM52M5258	TM52F5274B	TM52F5278B	TM52F5264B
TM52F5268B	TM52F5250	TM52F5264C	TM52F5268C	TM52F5273B
TM52F5274C	TM52F5276B	TM52F5278C	TM52F5276	TM52F5273
TM52M8254	TM52M8258	TM52M8264	TM52M8268	TM52M8254B
TM52M8258B	TM52M8264B	TM52M8268B		

# (1) non ISP mode

Program Pin : VPP, P3.2, P3.3, VCC, P3.0, P3.1, P1.2, VSS.

(2) EXHV ISP mode



Program Pin : VPP, VCC, P3.0, P3.1, VSS.

(3) ISP mode Program Pin : VCC, P3.0, P3.1, VSS

#### <u>3.5.14</u>:

TM52F5284	TM52F5288	TM52F5284C	TM52F5288C	
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(1) non ISP mode

Program Pin : VPP, P1.1, P1.0, VCC, P1.2, P1.3, P4.3, VSS.

(2) EXHV ISP mode Program Pin : VPP, VCC, P1.2, P1.3, VSS.

(3) ISP mode Program Pin : VCC, P1.2, P1.3, VSS.

#### <u>3.5.15</u>:

TM52F2260	TM52F2261	TM52F2264		
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(1) non ISP mode

Program Pin : VPP, P1.0, VBAT, P1.2, P1.3, VSS.

(2) EXHV ISP mode Program Pin : VPP, VBAT, P1.2, P1.3, VSS.

(3) ISP mode Program Pin : VBAT, P1.2, P1.3, VSS.

#### <u>3.5.16</u>:

TM52F2280         TM52F2284         TM52F2280B         TM52F2284B         TM52F2268	
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(1) non ISP mode Program Pin : VPP, P1.1, P1.0, VCC, P1.2, P1.3, P0.7, VSS

(2) EXHV ISP mode Program Pin : VPP, VCC, P1.2, P1.3, VSS.

(3) ISP mode Program Pin : VCC , P1.2, P1.3, VSS.

#### <u>3.5.17</u>:

TM52F8273	TM52F8276	TM52F8274	TM52F8278	TM52F8273T
TM52F8276T	TM52F8274T	TM52F8278T	TM52F8368	TM52FE8278
TM52FE8274	TM52FE8276	TM52FE8273	TM52F8558	TM52F8658
TM52FE8976	TM52EF8278B	TM52FE8274B	TM52FE8276B	TM52FE8273B



TM52F086A	TM52F1376	TM52F0676	TM52FC1335	TM52F1378
TM52F086B	TM52F8368A	TM52FN8276	TM52FN8273	TM52FN8274
TM52FN8278	TM52F0876	TM52F1732	TM52eF1374	TM52eF1375
TM52F1375G	TM52F1376B	TM52F1363	TM52eF1375A	TM52F1364

(1) non ISP mode

Program Pin : P3.3, VCC, P3.0, P3.1, P1.2, VSS.

(2) ISP mode

Program Pin : VCC, P3.0, P3.1, VSS.

#### <u>3.5.18</u>:

TM57M5640	TM57M5645	TM57M5620	TM57M5625	TM57M5625S
TM56F8406	TM56F8408			

(1) non ISP mode

Program Pin : VPP, PA3, PA2, VBAT, PA1, PA0, VSS

(2) EXHV ISP mode Program Pin : VPP, VBAT, PA1, PA0, VSS

#### <u>3.5.19</u>:

TM57M5610 TM57M5615	
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(These ICs are only for TWR100 hardware)

(1) non ISP mode Program Pin : VPP, PA3, PA2, VBAT, CX, PA1, PA0, PA4, VSS.

(2) EXHV ISP mode

Program Pin : VPP, VBAT, CX, PA1, PA0, VSS.

#### <u>3.5.20</u>:

TM56F8225	TM56FE8228	TM56F5412	TM56F5416	TM56F5412B
TM56F5416B	TM56F1522	TM56F1552	TM56M1511	TM56M1531
TM56F1543				

(1) non ISP mode

Program Pin : PA2, VCC, PA1, PA0, PA4, VSS.

(2) ISP mode Program Pin : VCC, PA1, PA0, VSS.



#### <u>3.5.21</u>:

TMU3131F6	TMU3131F8		

(For the above 2 type, VDD5 and VDD need to be short-recorded when programming.)

(1) non ISP mode

Program Pin : VPP, PA7, PA2, VDD5, DP, DM, PA4, VSS.

(2) EXHV ISP mode Program Pin : VPP , VDD5, DP, DM, VSS.

(2) ISP mode Program Pin : VSS, PA1, DP, DM.

#### <u>3.5.22</u>:

TM52eF1385	TM52eF1386		
(1) non ISP mode			

Program Pin: P3.3, VCC, P3.0, P3.1, P5.6, VSS (2) ISP mode Program Pin: VCC , P3.0, P3.1, VSS

#### <u>3.5.23</u>:

TM56M1521H	TM56M1522		
(1) ICD 1			•

(1) non ISP mode Program Pin: VPP, VCC, PA0, PA1, PA4, PA5, VSS

(2) EXHV ISP mode Program Pin: VPP, VCC, PA0, PA1, VSS

#### <u>3.5.24</u>:

 TM56F1542
 (1) non ISP mode

Program Pin: VPP, VCC, PA0, PA1, PA2, PD4, VSS

(2) EXHV ISP mode Program Pin: VPP, VCC, PA0, PA1, VSS



- Note : If you follow the above process and still cannot burn effectively, it may be caused by the following reasons:
  - 1. The relationship between the programming line is too long or the wire is poor.
  - 2. The instantaneous current demand of VDD/VCC is too large, causing the power supply of the writer to be shut down by the protection circuit.
  - 3. The capacitance of the programming pin power (VCC or VDD/or VBAT) should be less than 470uF.
  - 4. The capacitance of the programming pin (SDA/SCL) should be less than 100pF.
  - 5. The programming pin (SDA/SCL) should not be connected in series (current limit) or parallel (voltage division) resistors, which will affect the programming ability.

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#### 3.6 EX\_Control: External Control Signal



#### 3.6.1: Signal Name and location

9: N.C.	7: Result2	5: GND	3: Result0	1: VDD
10: N.C.	8: N.C.	6: GND	4: Result1	2: Start

#### 3.6.2: Signal Function

- 1. VDD =>Output Power, +3V
- 2. Start signal =>Input Start signal, Low Pulse valid (start signal valid wide>50 ms)
- 3. Result0, Result1 and Result2 pins =>Output Programming result, the status is as below:

Result2	Result1	Result0	Status
1	0	0	BUSY
0	1	0	FAIL
0	0	1	OK



#### 3.7 Semi-automatic Machine Control Signals

3.7.1: Program ok signal



#### <u>3.7.2:</u> Program Fail signal



#### 3.8 LED Description:

- <u>3.8.1</u>: Yellow LED: the LED blinks when downloading writer file data or during writing process, means it is in busy state.
- <u>3.8.2</u>: Red LED: red light ON means writing process fails. When IC is taken away or writing mode is switched to another mode, LED will be switched off.
- <u>3.8.3</u>: Green LED: green light ON means the writing process succeeded. When IC is taken away or writing mode is switched to another mode, LED will be switched off.



#### 4. Software Function Guide

New_USBWriter_TM57PE10	
File Device Operation Help About 8	
7 Xuu Blank check Program Verify 10 Smart Option	-Fuse
D:\MyData\桌面\hex,焼錄檔\57pe10(b:2710)\tm57pe10.bin 4 Chip Name : TM57PE10 5	0
00000000 3D 30 02 30 A0 00 03 08 A1 00 88 17 09 30 89 15 =0.0i.^0.	
00000010 11 30 48 17 0D 30 49 15 39 30 21 08 83 00 20 08 .0⊢0I.90!.f	
00000020 60 00 BF 19 89 00 28 16 1B 30 C6 16 19 30 C6 10 1.2(04.04.04.	
00000030 1B 30 C6 12 38 30 68 14 1F 30 E7 13 38 30 68 10 . 0A:80h 0ç. 80h.	
00000040 B0 0A 30 08 2F 1F 83 16 38 30 B0 01 27 12 B1 0A ".O./.f.80".'.±.	
00000050 31 08 3F 1B 0A 1F 83 14 27 13 31 08 3C 1F 83 16 1.?f.'.1.<.f.	
00000060 38 30 B1 01 B2 0A 32 08 06 1F 83 16 38 30 A7 12 80±.*.2f.80§.	Checksum 21DE Q
00000070 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D5 20 88 01 .0Bh0ï C^.	
00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 E ‡ <sup>3</sup> . Z §.	
00000090 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 C03. F0' <sup>2</sup>	Program Pin Placement
000000AU C6 12 86 11 88 20 27 16 5A 30 27 10 C8 20 82 20 A:» 1.201.E *	
0000000E0 BE 20 00 TT 07 20 T4 T3 B3 00 0E 20 X7 T3 73 30	
00000110 A6 00 02 19 A5 00 D0 20 E2 20 40 00 A7 11 D4 16¥ E. @S.Ĉ.	
00000120 A7 13 40 00 90 19 A6 00 08 19 A5 00 D0 20 E2 20 §. @L	
00000130 D4 14 A4 30 01 19 A9 00 E7 14 B1 30 B0 01 B1 01 Ĉ. ×0, ç. ±0°. ±.	
00000140 05 19 B2 00 E7 12 B1 30 90 19 A6 00 07 19 A5 00². ç. ±0Ē.¦¥.	
00000150 D0 20 E2 20 D4 14 AF 30 02 19 A9 00 B1 30 03 19 E . Ĉ. O ±0	
00000160 A9 00 40 00 90 19 A6 00 09 19 A5 00 D0 20 E2 20@)⊏.¦¥.€.	
00000170 D4 16 A7 12 40 00 A0 19 A6 00 29 08 A5 00 D0 20 Ĉ.§.@).¦.).¥.E 🌉	
X=326 Y=12	2 😪 USB STANDALONE WRITER

- 1. Display the programming data
- 2. Display whether the Writer Device is connected to PC or not
- 3. Display OTP IC programming-pins placement (Corresponding to the Hardware programming port)
- 4. Display the file path of program
- 5. Display the name of the programming CHIP
- 6. Display IC program mode
- 7. The functions of Auto, Blank check, Program, and Verify are the same as the hardware. When the USB Writer Device is connected to the PC, the programming commands can be directly programmed by the software
- 8. Menu bar:
  - <u>8.1</u> File =>Load the programming file
  - <u>8.2</u> Device =>Select programming CHIP
  - <u>8.3</u> Operation =>Update firmware, Writer option set, Read IC information
  - 8.4 Help =>Writer Firmware Reset, Hareware Simple Test, Read Hardware ID
  - <u>8.5</u> About =>Display software version
- 9. Checksum: Display the Checksum value of the programming file
- 10. Smart Option: Display System Configuration definition



# 5. Programming Software Operation

Step 1: Start the writer software tool.

New_USBWriter	×
<u>File Device Operation About</u>	
Auto Blank check Program Verify Sma	rt Option
Chip Name :	
	Checksum
	Program Pin Placement
	Not connect
X=353 Y=1	USB was not connected

Step 2: The writer is open; confirm that the writer Device is connected to PC





New_USBWriter_TM57PE10			
Ele Device Operation IC Type Select			×
Auto Blank Series : 8 Bit	Search	ОК	
IC Type : TM57PE10		Cano	el
🗖 Display Serial Number	□ Whole	Chip Erase	
Mass Production Mode	EXHV EXHV	ISP Program	
Production Limit : 1	🗖 ISP Pro	ogram	
🗖 License Mode			
MCU Type	Chip Series	Chip Name	
8 Bit	Pure I/O	TM57PE10	Pin Placement
ABit	Pure 1/0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
8 Bit	ADC	TM57ME16	
51	LCD	TM57ME16AS	2 <u>2222</u> 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Other	Touch Key	TM57ME18 TM57ME18CS	
Test	Page Locker	TM57ME20	
		TM57MRT0 TM57PE10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		TM57PE11A	
		TM57PE11B	
			<u>1</u>
X=53 Y=1		÷	USB STANDALONE WRITER

Step 3: Execute Device (Select CHIP) Note: search function can be used to search

Step 4: Select CHIP ok.

New_USBWriter TM57PE10	
File Device Operation Help About	
Auto Blank check Program Verify Smart Option	Fuse
Chip Name : TM57PE10	
	Checksum
	Program Pin Placement
	sommer, files
 x=332 Y=2	🖙 USB STANDALONE WRITER



Step 5: Execute File =>Load File.

New_USBWriter TM57PE10
File Device Operation Help About
Auto Blank check Program Verify Smart Option Fuse
Chip Name : TM57PE10
関密
捜尋位置①: 🧰 57pe10(b/2710)
S7ne10 reuse HEX
■ 技嘉客戶Code(20).hex
rogram Pin Placement
· · · · · · · · · · · · · · · · · · ·
X=35 Y=0

Step 6: Load the file







Step 7: When loading the file, the hardware of the LCD will display as follows (Please don't power off or plug out USB cable)



Step 8: Click on OK, download is completed

(If you don't click the "OK" button, plug out USB cable will occur Writer stand lone operation error, please re-power the Writer can be restored to normal)





Step 9: Start execution (already loading into hardware)

New_USBWriter_TM57PE10	
File Device Operation Help About	
Auto Blank check Program Verify Smart Option	Fuse
D:\MyData\点面\hex焼錄檔\57pe10(b:2710)\tm57pe10.bin Chip Name : TM57PE10	
00000000 3D 30 02 30 A0 00 03 08 A1 00 88 17 09 30 89 15 =0.0 j.^ 0.	
UUUUUUUUU 11 3U 48 17 UD 3U 49 15 39 3U 21 U8 83 UU 2U U8 . UF UI . 9U! . f	
00000020 60 00 BF 19 89 00 28 16 1B 30 C6 16 19 30 C6 10 1. ( ( 0A:. 0A:	
00000000 31 08 37 18 08 17 63 14 27 13 31 06 30 17 63 16 1, ?	
	Checksum 21DE
000000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8F 20 A7 17 Ë t <sup>3</sup> Ž &	
00000090 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 C0 <sup>3</sup> , F0' <sup>2</sup> H.	Program Pin Placement
000000A0 C6 12 86 11 BB 20 27 16 5A 30 27 10 CB 20 B2 20 A:	1 logialit 1 in 1 lacentein
000000B0 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 ' CO'.cO'.ËÁg.	Lange Kitele
000000C0 6C 30 92 20 51 30 A7 14 6C 30 C6 15 6A 30 E0 20 I 0' C0§. I 0A.;j 0à	
000000D0 C6 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A:{0ç. S0Ë ^. A:	
000000E0 DE 20 86 11 87 20 14 19 B3 00 8E 20 A7 15 73 30‡³.ާ.s0	
000000F0 B3 0B 75 30 3D 30 CB 20 28 12 48 11 86 13 B0 01 3.u0=0Ë (.H*.	n star 🗗 🚰 🔬 📴 👘 👘 👘
00000100 B1 01 B2 01 C1 20 8E 20 A7 15 83 30 3D 30 90 19 ±.º.A Ź §.f0=0⊑.	
00000110 A6 00 02 19 A5 00 D0 20 E2 20 40 00 A7 11 D4 16 ¦¥.E. @	
00000120 A7 13 40 00 90 19 A6 00 08 19 A5 00 D0 20 E2 20 §. @J⊑.¦¥.€.	
00000130 D4 14 A4 30 01 19 A9 00 E7 14 B1 30 B0 01 B1 01 C. ×0ç.±0°.±.	
00000140 05 19 82 00 E7 12 81 30 90 19 A6 00 07 19 A5 00*. ç. ±0E.;¥.	
00000150 D0 20 E2 20 D4 14 AF 30 02 19 A9 00 B1 30 03 19 E. C. U ±0	
00000100 A3 00 40 00 30 13 A0 00 03 13 A3 00 D0 20 E2 20(C)(	
00000110 D4 10 A/ 12 40 00 A0 13 A0 00 23 08 A3 00 D0 20 C.9.(c) .1.). ₽. E	
X=411 Y=1	STANDALONE WRITER

Step 10: After successfully loading the file, the LCD panel on the hardware will display the CHIP NAME.

	×
CHIP NAME	
INCILETO	

Step 11: Select the function on the toolbar (Auto, Blank, Check, Program, Verify).

4	New_USB	Writ	er i	rm5	7PE	10									
Ei	le <u>D</u> evice	Ope	eratio	n	<u>A</u> bo	ut									
[	Áuto		Bla	nk cl	heck		Pro	) gran	n		Ve	rify	1		
		- I -						<u> </u>				~			
	D:\MyData\	桌面	hex	焼銵	(檔)	57pe	10(t	271	0)\tr	ດ57p	e10.	bin		1	



# 6. LCD Error Messages

PROTECT	=> IC data are protected and cannot be read.
BUSY FAIL	=> Check if the IC Programming signals are connected to Writer.
B FAIL	=> Blank Test fails
P FAIL	=> Programming data fails
V FAIL	=> Comparing data fails
I FAIL	=> Enter Programming Mode fails
D FAIL	=> Check ID fail
F FAIL	=> Programming FUSE or SYSTEM CONFIG fails
NO CHIP	=> IC or connection is not connected properly. Please confirm whether IC is put
	properly or the line is connected perfectly.
C/E FAIL	=> Writer Checksum data comparing error
ENTRANCEF	=> Check IC entering write mode fail
Busy Fail	=> Writer wait IC busy time out
T(R)IRC Fail	=> Check IRC data error.
VBG Fail	=> Check VBG data error.
OTP Fail	=> Means that the IC only provides one-time programming.
	PROTECT BUSY FAIL B FAIL P FAIL V FAIL I FAIL D FAIL D FAIL D FAIL NO CHIP C/E FAIL C/E FAIL ENTRANCEF Busy Fail T(R)IRC Fail VBG Fail



# 7. Set-up and Operations for Programming Serial Number

Step 1: Select "Device" :

New_USBWriter_TM!	57PE10				
<u>File Device Operation</u>	IC Type Select			×	
Auto Blank	Series: 8 Bit	Search		ок	
D:\MyData\桌面\hex焼					
00000000 3D 30 0:	IC Type :  TM57PE10		C	ancel	
00000010 11 30 4: 00000020 60 00 B	🔲 Display Serial Number	🗖 Whole	Chip Erase		
00000030 1B 30 C	Mass Production Mode	EXHV I	SP Program		
00000040 B0 0A 31					
00000050 31 08 31			rgram		
00000000 38 30 B	🗖 License Mode				
00000080 CB 20 1	- MCU Type	Chip Series			
00000090 44 30 B				<u> </u>	Pin Placement
000000A0 C6 12 8	8 Bit	Pure I/O			11.47 A
	4Bit	Pure I/O	TM57ME15		
000000D0 C6 17 7	8 Bit	ADC	TM57ME16		
000000E0 DE 20 8	51	LCD	TM57ME16AS		2002 000 000 000 000 000 000 000 000 00
000000F0 B3 0B 7:	USB	UPA/Comp Touch Key	TM57ME18		
00000100 81 01 8	Test	Page Locker	TM57ME1005		
00000120 A7 13 4		3	TM57MR10		
00000130 D4 14 A			TM57PE10		
00000140 05 19 B			TM57PE11A		
00000150 D0 20 E			TM57PE11B		
00000160 A9 00 41			IM57PETTBS		
00000170 D4 16 A					
X=94 Y=2				🗢 USB S	TANDALONE WRITER

Step 2: After selecting IC, please enable the "Display Serial Number", and then click on "OK".

💠 New_USBWriter_TM5	7PE10				_ 🗆 🗙
File Device Operation	E Type Select			×	
Auto Blank D:\MyData\桌面\hex焼	Series: 8 Bit	Search	0	ĸ	
00000000 3D 30 0 00000010 11 30 4 00000020 60 00 B 00000030 1B 30 C 00000040 B0 0A 3 00000050 31 08 3 00000060 38 30 B	Display Serial Number     Mass Production Mode     Production Limit : 1	Whole KHV I SP Pro	Chip Erase SP Program ogram	icel	_
00000070 0D 30 D 00000080 CB 20 11 00000090 44 30 B 00000000 C6 12 81 00000000 0C6 12 0 00000000 6C 30 9: 00000000 C6 17 71 00000000 C6 17 81	MCU Type 8 Bit 4Bit 8 Bit 51	Chip Series Pure I/O Pure I/O ADC LCD	Chip Name TM57PE10 TM57ME15 TM57ME16 TM57ME16AS		Pin Placement
000000F0 B3 0B 7: 00000100 B1 01 B 00000110 A6 00 0: 00000120 A7 13 4 00000130 D4 14 A 00000140 05 19 B 00000150 D0 20 E	USB Other Test	OPA/Comp Touch Key Page Locker	TM57ME18 TM57ME18CS TM57ME20 TM57MR10 TM57PE10 TM57PE11A TM57PE11B TM57PE11BS		
00000170 D4 16 A X=94 Y=2		,		USB ST	ANDALONE WRITER



Step 3: Enter "Serial Number Set" =>Set up the Serial Number parameters.

Answ_USBWriter TM57PE10
Elle Device Operation Help About
Auto Blank check Program Verify Smart Option Fuse
D:\MyData\桌面\hex焼錄檔\57pe10(tx2710)\tm57pe10.bin Chip Name : TM57PE10
2 30 A0 00 03 08 A1 00 88 17 09 30 89 15 =0. 0 j. ^ 0.
Serial Number Set
S/N Length (Hex): 10
S/N Start Address (Hex) : 0000
Start Serial NO (Hex) · 0000000000000000000000000000
3 1
3 S/N Amount (Hex): 0
Direction (MCP in) - C Low Bute C Hight Bute
5
21 Load Cancel
2 00 E7 12 B1 30 90 19 A6 00 07 19 A5 00?. c. ±0C (¥
2 20 D4 14 AF 30 02 19 A9 00 B1 30 03 19 E. Ĉ. O±0
D 00 90 19 A6 00 09 19 A5 00 D0 20 E2 20 @□□¥.E.
/ 12 4U UO AO 19 A6 00 29 08 A5 00 D0 20 C.§. (c) .;.).¥.E
X=94 Y=2 Get USB STANDALONE WRITER

- Step 4: Set up the S/N Length [Hex] (range: 0x01~0x10)
- Step 5: Set up the S/N Start Address [Hex].
- Step 6: Set up the Start Serial NO [Hex].
- Step 7: Set up the S/N Amount [Hex] (the amount of OTP IC programming).
- Step 8: Set up the S/N Direction [MSB In]

For Example: Serial Number value=12345678

Select "Low Byte" to program the IC location: 12 34 56 78

Select "High Byte" to program the IC location: 78 56 34 12

Step 9: After finishing set up, click the Load button (load the serial configuration data into Writer, please wait for it to complete)

Serial Number Set	×
S/N Length [Hex]: 4 Step4	
S/N Start Address (Hex) : 0100 Step5	
Start Serial NO (Hex) : 12345678 Step6	
S/N Amount (Hex) : 10 Step7	
Direction (MSB in) : 💿 Low Byte 💿 Hight Byte Step8	
Load Cancel Step9	

Step 10: After setting the "Serial Number Set" setup, click on the "Load" button.



New_USBWriter TM57PE10	
File Device Operation Help About	
Auto Blank check Program Verify Smart Option	Fuse
	1
	1
	Display Serial Number
	Checksum
	,
	Program Pin Placement
x=519 Y=1	USB STANDALONE WRITER

Step 11: Execute File ->Load File

New_USBWriter TM57PE10	_ 🗆 🗙
File Device Operation Help About	
Auto Blank check Program Verify Smart Option Fuse	
開啓 建章位置①: ご 57pe10(ts/2710) ▼ ← 1 啓 田 ▼ ial Number	
「「SPEDFEDFELSENEX ■ 1057pe10.HEX ■ 15京客户Code(20).hex	ement
は Avar Rate (* here) ■ 取消	
X=4 Y=0 Get USB STANDAL	ONE WRITER

Step 12: Wait until the files are downloaded OK, click on " confirm " button to enter the Serial Number Program mode



New_USBWriter TM57PE10	×
Elle     Device     Operation     Help     About       Auto     Blank check     Program     Verify     Smart Option       D:MyData\katikation     D:MyData\katikation     Chip Name :     TM57PE10	-Fuse
下載資料中,諸勿關閉電源或拔除USB Downloading Data, Please don't power off	Display Serial Number Checksum 21DE

Step 13: Click on "S/N Program" button to start programming

New_USBWriter_TM57PE10		
Eile Device Operation Help About		
Serial Number Program	Smart Option	Fuse
Chip Type : TM57PE10 S/N SET	TM57PE10	
Start Serial NO[Hex] : 12345678	.90!. <i>f</i>	
End Serial NO[Hex] : 12345687	0A:.0A: 0ç.80h. .80°.'.±.	
S/N Start Address[Hex] : 0100	.'.1.< <i>f</i> .	Display Serial Number
S/N End Address[Hex] : 0103	f.80§. 0ï Ć ^.	Checksum 21DE
Counter	2^.⊢.	Program Pin Placement
OK (Hex) : 0 Reset Count	. ZO' . Ë P	
NG (Hex):	0'. E A g.	
	0Ë ^. A	
	.ª.ާ.s0	
	(. H °.	
SIN Program Close	9. JU=UL.	
00000120 A7 13 40 00 90 19 A6 00 08 19 A5 00 D0 20 E2 20 §. @JE.	¥.E.	· · · · · · · · · · · · · · · · · · ·
000000130 D4 14 A4 30 01 19 A9 00 E7 14 B1 30 B0 01 B1 01 Ĉ. ×0	ç.±0°.±.	
UUUUUU14U U5 19 HZ UU E7 12 H1 30 90 19 A6 00 07 19 A5 00 <sup>2</sup> . c.:	±UE.¦¥. T0 ≠0	
00000160 A9 00 40 00 90 19 A6 00 09 19 A5 00 D1 20 F2 20	0±	
00000170 D4 16 A7 12 40 00 A0 19 A6 00 29 08 A5 00 D0 20 Ĉ. §. 🤃	.   . ) . ¥. E	
I X=780 Y=384	<b>_</b>	USB STANDALONE WRITER

# **Note**: After the completion of programming, if programming code + serial number is desired, go back to Step 1 and start all over.

After the above steps are completed, the user can choose two modes of operation: to connect to PC and let PC control the programming process or go offline and programmed by using writer independently.



- 1. Operating instruction in using PC to control the programming process:
  - a. Click on S/N Program button to start the programming process.
  - b. If programming is successful, the count number for "Start Serial NO, OK, Total" will be incremented by 1 automatically.
  - c. If programming is fail, the count number for "NG, Tota 1" will be incremented by 1 automatically.
  - d. When the S/N Program button is disabled, it means that the programming process for the serial number is completed. Reset and reload by entering the "S/N SET" window is required.
  - e. "Reset Count" button will reset the "OK, NG, Total" column value to zero.
  - f. Attention: Do not press the "Enter" key on the writer hardware during programming if PC control mode is used.
- 2. Operating instruction in using writer for programming independently:
  - a. The function for the Mode button is to choose whether to display the value for " Serial Number, OK, NG, TOTAL ".
    - <u>a-1</u>: SNH =>Display Serial Number (9~16 bytes), but when S/N Length is less than 9, this mode will not display the number.



<u>a-2:</u> SNL =>Display Serial Number (1~8 bytes).



<u>a-3</u>: OK =>Display the number of successful programming.





<u>a-4:</u> NG = Display the number of fail programming.



<u>a-5</u>: TOTAL =>Display the total number of programming.



- b. The function for the "Enter" key is to execute programming.
- c. If programming is successful, the value of " Serial Number, OK, TOTAL " will be incremented by 1 automatically.
- d. If programming is fail, the value of "NG, TOTA L" will be incremented by 1 automatically.
- e. When the "Enter" key is disabled, it means that the programming for the serial number is completed and the must be reloaded.
- f. Attention: if the power of writer is turned off and on again, the serial number will be reset to the initial value.



# 8. Programming Operation in EXHV ISP Mode

Step 1: Select Device

Arew_USBWriter_TM57PE10		<u>_                                    </u>
Eile Device Operation IC Type Select		×
Auto Blank Series : 51 Search	ОК	]
IC Type :  TM52F5278	Cancel	1
Display Serial Number Whole Chip Erase		J
Mass Production Mode EXHV ISP Program		
Production Limit: 1 ISP Program		nber
License Mode		
MCU Type ————————————————————————————————————		
51 High Efficiency TM52F5278		Pin Placement
ABit High Efficiency TM52E5268		NAN BR
8 Bit Low power TM52F5268B		
51 USB TM52F5268C		
Other TM52F5273B		
TM52F5274		
TM52F5274C		
TM3213276		
TM52F5278		
X=50 Y=0	ને ા	JSB STANDALONE WRITER

Step 2: Select IC and enable "EXHV ISP Program", and then click on "OK"

Ele Device Operation       It Type Select         Auto       Blank         Series:       \$1         Display Serial Number       Whole Chip Erase         Mass Production Mode       V EXHV ISP Program         Production Limit:       ISP Program         License Mode       Itselectory         MCU Type       Chip Series         Migh Efficiency       ImS2F5268         ImS2F5278       ImS2F5278         ImS2F5278       ImS2F5278         ImS2F5278       ImS2F5278         ImS2F5278       ImS2F5278         ImS2F5278       ImS2F5278         ImS2F5278       ImS2F5278	Anew_USBWriter_TM57PE10		
Auto       Black       Series : 51       OK         IC Type : [M52F5278]       Cancel         Display Serial Number       Whole Chip Erase         Mass Production Mode       V EXHV ISP Program         Production Limit : 1       ISP Program         License Mode       MCU Type         MCU Type       Chip Series         MCU Type       High Efficiency         High Efficiency       TM52F5278         Juss       TM52F5273B         TM52F5274B       TM52F5274C         TM52F5274C       TM52F5274C         TM52F5274B       TM52F5274B         TM52F5274B       TM52F5274B         TM52F5274B       TM52F5274B         TM52F5274B       TM52F5274B	Ele Device Operation IC Type Select	2	×
	Ele Device Operation       IC Type Select         Auto       Blank         Series :       51         IC Type :       TM52F5278         Display Serial Number       Whole Chip Erase         Mass Production Mode       EXHV ISP Program         Production Limit :       1         ILicense Mode       MCU Type         MCU Type       Chip Series         High Efficiency       TM52F5278         USB       Uher         Test       TM52F5274         TM52F5274       TM52F5274         TM52F5276       TM52F5274         TM52F5276       TM52F5276         TM52F5276       TM52F5276	OK Cancel	Nor Nor Pin Placement Nor Nor Nor Nor Nor Nor Nor Nor
X=50 Y=0	X=50 Y=0	்கூ ப	B STANDALONE WRITER



Step 3: The main screen will exhibit " EXHV ISP Program "

New_USBWriter TM52F5278	
Eile Device Operation Help About	
Xuto Blank check Program Verify Smart Option	Fuse
	1
	<u> </u>
	EXHV ISP Program
	L
	Checksum
	Program Pin Placement
I X=494 Y=29	STANDALONE WRITER

#### Step 4: Select File ->Load File

New_USBWriter TM52F5278	×
Elle Device Operation Help About           Auto         Blank check         Program         Verify	Smart Option Fuse Chip Name : TM52F5278
間容 搜尋位置①: È tx3710 TMS2F5278.tenx TMS2F5278_Random.tenx TMS2F52788(All 0xfff).ten TMS2F52788,tenx TMS2F52788_Random.tenx TMS2F5278C(All 0x00).ten TM52F5278C(All 0x00).ten	
X=9 Y=0	STANDALONE WRITER



Step 5 : Wait until files are downloaded, click on OK to complete the download

New_USBWriter TM52F5278	
File Device Operation Help About	
Auto Blank check Program Verify Smart Option	Fuse
D:\MyData\桌面\hex焼錄檔\bc3710\TM52F5278.bin Chip Name: TM52F5278	
T 載資料中,諸勿關閉電源或抜除USB Downloading Data, Please don't power off	EXHV ISP Program Checksum F476 Program Pin Placement

Step 6: Downloaded OK

💠 New_USBWriter_TM52F5278	
<u>File Device Operation Help About</u>	
Auto Blank check Program Verify Smart Option	-Fuse
D.W.y.Data (R. III (Nex), Fixed to 2710 (1M) 22 P3278.000 Crup Name : 1M) 22 P3278	
00000000 21 00 00 00 00 00 00 00 00 00 00 00 00 00	
00000030 00 00 00 00 00 00 00 00 00 00 0	EXHV ISP Program
	Checksum F476
	Program Pin Placement
	1107.70M
000000E0 00 00 00 00 00 00 00 00 00 00 0	
000000F0 00 00 00 00 00 00 00 00 00 00 0	
00000100 75 93 FA 75 A2 AA 75 A3 AA 75 A4 AA 75 A5 AA 75 u".u¢.u£.u×.u¥.u	
00000110 D8 07 75 B0 00 31 1E 75 B0 FF 31 1E 80 F4 7D FA & u°.1.u°.1ô}.	
00000120 7E FA DE FE DD FA 22 00 00 00 00 00 00 00 00 00 ~"	
00000130 00 00 00 00 00 00 00 00 00 00 00 00 0	
00000150 00 00 00 00 00 00 00 00 00 00 00 00 0	
X=339 Y=22	🖙 USB STANDALONE WRITER

# Note: The capacitance (VCC/VSS) on the PCB programming cannot exceed 470uF, and the capacitance (SDA/SCL) cannot exceed 100pF



# 9. Programming Operation in ISP Mode

Step 1: Select Device

Arew_USBWriter_TM52F5278		
Eile Device Operation IC Type Select	×	
Auto Elank Series : 51 Search IC Type : TM52F5278	ок	
🗌 Display Serial Number 🗖 Whole Chip Erase		
□ Mass Production Mode □ EXHV ISP Program		n
Production Limit : 1 ISP Program		
License Mode		
MCU TypeChip SeriesChip Name51High EfficiencyTM52F52784Bit 8 BitLow powerTM52F5268B51USB Other TestTM52F5273Other TestTM52F5273BTM52F5274 TM52F5274C TM52F5274CTM52F5274BTM52F5276 TM52F5276BTM52F5276BTM52F52778TM52F52774C		Pin Placement
X=50 Y=1	୍ୟ USB ST	TANDALONE WRITER

Step 2: Select IC and enable " ISP Program ", and then click on " OK "

New_USBWriter_TM52F5278		_
Eile Device Operation IC Type Select	×	
Auto Elank Series : 51 CType : TM52F5278	OK Cancel	
Display Serial Number Whole Chip Erase		
Mass Production Mode EXHV ISP Program		m
Production Limit: 1 SP Program		
License Mode		
MCU TypeChip SeriesChip Name51High EfficiencyTM52F52684BitLow powerTM52F526851USBTM52F5268OtherTM52F5273TestTM52F5274CTM52F5274CTM52F5276TM52F5278TM52F5276TM52F5278TM52F5278		Pin Placement
x=50 Y=1	ିଙ୍କ USB S	STANDALONE WRITER



Step 3: The main screen will exhibit " ISP Program "

New_USBWriter TM52F5278	
<u>File Device Operation Help About</u>	
Xum Blank check Program Verify Smart Option	Fuse
Chip Name - TM52E5278	=
Chip Name . [165215210	<u> </u>
	ISP Program
	Checksum
	Program Pin Placement
	INSTRUM
	A
X=388 Y=38	USB STANDALONE WRITER

#### Step 4: Select File ->Load File

New_USBWriter TM52F5278	×
Elle     Device     Operation     Help     About       Auto     Blank check     Program     Verify     Smart Option       Chip Name :     TM52F5278	
開容 理尋位置①: ▲ tx3710	
檔案名稱 创: TM52F5278 tenx 檔案類型(I): TxIce Tenx Files (* tenx) 取消	
X=16 Y=0 🚱 USB STANDALONE WRITER	



Step 5: Wait until files are downloaded, click on OK to complete the download



Step 6: Downloaded OK

New_USBWriter_TM52F5278	
File Device Operation Help About	
Xütto Blank check Program Verify Smart Option	Fuse
D:\MyData\桌面\hex,燒錄檔\bx3710\TM52F5278.bin Chip Name: TM52F5278	
00000000 21 00 00 00 00 00 00 00 00 00 00 00 00 00	
00000010 00 00 00 00 00 00 00 00 00 00 0	
	ISP Program
00000040 00 00 00 00 00 00 00 00 00 00 0	
	Checksum F476
00000070 00 00 00 00 00 00 00 00 00 00 0	
	Program Pin Placement
00000100 75 93 FA 75 A2 AA 75 A3 AA 75 A4 AA 75 A5 AA 75 J" u¢ u≆ u¥ u	
00000110 D8 07 75 B0 00 31 1E 75 B0 FF 31 1E 80 F4 7D FA @ u°. 1. u°. 1. ô}.	
00000120 7E FA DE FE DD FA 22 00 00 00 00 00 00 00 00 00 ~"	
00000170 00 00 00 00 00 00 00 00 00 00 00 00 0	
X=661 Y=193	USB STANDALONE WRITER

Note: The capacitance (VCC/VSS) on the PCB programming cannot exceed 470uF, and the capacitance (SDA/SCL) cannot exceed 100pF



# 10. Programming Operation in Whole Chip Erase Mode

Step 1: Select Device

🔆 New_USBWriter_TM57ME15		
Eile Device Operation IC Type Select	×	
Auto Blank Series : 51 IC Type : TM52F5278B	ОК	
🗌 Display Serial Number 🗌 Whole Chip Erase	ancer	
Mass Production Mode EXHV ISP Program		
Production Limit : 1     ISP Program		
🗖 License Mode		
MCU TypeChip SeriesChip Name51High EfficiencyTM52F5278B4Bit 8 Bit USB Other TestHigh EfficiencyTM52F5264C TM52F5268C TM52F5278BTestTM52F5274C 		Pin Placement
X=48 Y=1	🗘 USB S	TANDALONE WRITER

Step 2: Select IC and enable "Whole Chip Erase ", and then click on " OK "

New_USBWriter_TM57ME15		
File Device Operation IC Type Select	×	
Auto       Blank         Series :       51         IC Type :       TM52F5278B         Display Serial Number       Image: Chip Erase         Mass Production Mode       EXHV ISP Program         Production Limit :       ISP Program         License Mode       MCU Type         MBit       Image: Chip Series         ABit       TM52F5278B         USB       Uther         Test       TM52F5274B         TM52F5276B       TM52F5276B         TM52F5278B       TM52F5276B	OK Cancel	Pin Placement
x=48 Y=1	ାର୍ଚ୍ଚ USB S	TANDALONE WRITER



Step 3: The main screen will exhibit "Whole Chip Erase"

New_USBWriter TM52F5278B	
Eile Device Operation Help About	
TAND Blank check Program Verify Smart Option	Fuse
	1
	-
	Whole Chip Erase
	Charlesen [
	Checksum
	Program Pin Placement
x=581 Y=20	USB STANDALONE WRITER

#### Step 4: Select File ->Load File

New_USBWriter TM52F5278B	
Elle Device Operation Help About       Auto     Blank check     Program     Verify       Chip Name :     TM52F5278B	
開容       ?★         搜尋位置①:       tx3710         丁M52F5278.tenx       町 TM52F5278C(All 0xffff)         町 TM52F5278.tenx       町 TM52F5278C(All 0xffff)         町 TM52F5278B(All 0xffff).tenx       町 TM52F5278C,Random.tenx         町 TM52F5278B,Random.tenx       町 TM52F5278C,Random.tenx         町 TM52F5278B(All 0xfff).tenx       町 TM52F5278C,Random.tenx         町 TM52F5278B,Random.tenx       町 TM52F5278C,Random.tenx         町 TM52F5278C(All 0x00).tenx       ▼         幡案名稱(1):       TM52F5278B.tenx         檔案類型(1):       TxIce Tenx Files (*tenx)	ogram Pin Placement
X=152 Y=29 😤	USB STANDALONE WRITER



Step 5: Wait until files are downloaded, click on OK to complete the download



Step 6: Downloaded OK

New_USBWriter_TM52F5278B	
<u>File Device Operation Help About</u>	
Kutto Blank check Program Verify Smart Option	Fuse
D:\MyData\桌面\hex焼錄檔\tx3710\TM52F5278B.bin Chip Name : TM52F5278B	
00000000 21 00 00 00 00 00 00 00 00 00 00 00 00 00	
00000010 00 00 00 00 00 00 00 00 00 00 0	
	Whole Chip Erase
	Checksum F476
	Chooksan j- ····
00000090 00 00 00 00 00 00 00 00 00 00 0	Program Pin Placement
00000100 73 93 FX 73 X2 XX 73 X3 XX 73 X4 XX 73 X3 XX 73 U . U\$. U*. U*. U*. U	
00000110 D0 07 73 D0 00 31 12 73 D0 11 31 12 00 14 7D TA @. 0 11.0 1.0 07.	
	2. 11 P 2. 12 A
X=435 Y=0	STANDALONE WRITER



# 11. Programming Guide for Mass Production Mode

This function contains only Auto mode, which records OK and NG counts, and checksum display, there are no other functions, so it is recommended to be used in mass production.

Step 1: Select Device

New_USBWriter_TM52F5278			
File Device Operation IC Type Select			×
Auto Blank Series : 8 Bit	O Search	ОК	
IC Type : TM57PE10	]	Cano	cel
🗖 Display Serial Number	🗖 Whole 🛛	Chip Erase	
Mass Production Mode	EXHV IS	SP Program	
Production Limit : 1	ISP Pro	gram	
License Mode			
MCU TypeCh	nip Series	Chip Name	
8 Bit	ure I/O	TM57PE10	Pin Placement
	Juro KO		
8 Bit	DC	TM57ME15	
51 L	.CD IPA/Comp	TM57ME16AS	
Other	ouch Key	TM57ME18CS	
Test	age Locker	TM57ME20	rides -
	I	TM57PE10	
	I	TM57PE11A	
		TM57PE11BS	
			1 1
X=29 Y=1		÷	USB STANDALONE WRITER

Step 2: Select IC type and enable the "Mass Production Mode ", and then click on "OK "

IC Type Select		×
Series: 8 Bit IC Type: TM57PE10	Search	ОК
<ul> <li>Display Serial Numb</li> <li>Mass Production Mo</li> <li>Production Limit : 1</li> <li>License Mode</li> </ul>	er F Whol de F EXHV	Cancel e Chip Erase / ISP Program /rogram
MCU Type 8 Bit 4Bit 8 Bit 51 USB Other Test	Chip Series Pure I/O ADC LCD OPA/Comp Touch Key Page Locker	Chip Name TM57PE10 TM57ME15 TM57ME16 TM57ME16AS TM57ME18CS TM57ME10 TM57ME10 TM57PE10 TM57PE11A TM57PE11B TM57PE11BS



Step 3: The main screen will show "Mass Production Mode" and Enable Auto function

New_USBWriter TM57PE10	
<u>File Device Operation Help About</u>	
Time Blank check Program Verify Smart Opt	on Fuse
Chip Name : TM57PE10	=
	=
	Mass Production Mode
	Checksum
	Program Pin Placement
x=368 Y=48	USB STANDALONE WRITER

#### Step 4: Execute File ->Load File

New_USBWriter TM57PE10	_ <b>_</b> ×
Auto     Blank check     Program     Verify     Smart Option       Chip Name :     TM57PE10	
<b>開容</b> ?× 搜尋位置①:	ction Mode
檔案名稱 @): [tm57pe10.HEX 開容 @) 檔案類型(I): [Txlce Hex Files (*.hex)	
x=30 Y=0 😤	USB STANDALONE WRITER



Step 5: Wait until files are downloaded, click on OK to complete the download



Step 6: Downloaded OK

New_USBWriter_TM57PE10	
<u>File Device Operation Help About</u>	
Muto:         Blank check         Program         Verify         Smart Option	- Fuse
D:\MyData\桌面\hex,焼錄檔\57pe10(b:2710)\tm57pe10.bin Chip Name: TM57PE10	
00000000 3D 30 02 30 A0 00 03 08 A1 00 88 17 09 30 89 15 =0.0j.*0	
00000010 11 30 48 17 0D 30 49 15 39 30 21 08 83 00 20 08 .0⊢0I.90!.f	
00000020 60 00 BF 19 89 00 28 16 1B 30 C6 16 19 30 C6 10 `.¿(0AE.0AE	
00000030 1B 30 C6 12 38 30 68 14 1F 30 E7 13 38 30 68 10 . 0A:80h 0ç. 80h.	
00000040 B0 0A 30 08 2F 1F 83 16 38 30 B0 01 27 12 B1 0A ". 0./.f. 80".'.±.	Marco Development of the day
00000050 31 08 3F 1B 0A 1F 83 14 27 13 31 08 3C 1F 83 16 1. ?f.'.1.<.f.	Mass Flod ochon Mode
00000060 38 30 B1 01 B2 0A 32 08 06 1F 83 16 38 30 A7 12 80±. <sup>2</sup> .2f. 80§.	Checksum 21DE
00000070 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D5 20 88 01 . 0ß h 0î C ^.	
00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 E ‡ª. Z §.	
00000090 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 CO <sup>2</sup> . F0' <sup>2</sup> ". F.	Program Pin Placement
UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	
00000000 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 1 G0 . C01 E A g.	
00000000 6C 30 92 20 51 30 A7 14 6C 30 C6 15 6A 30 E0 20 10° G0§.10A:j0a	internet state and internet state in the state of the sta
000000F0 B3 0B 73 30 3D 30 CB 20 20 12 40 11 00 13 B0 01 . 00-0E (.F	
00000100 BT 01 B2 01 01 20 0E 20 X7 13 03 30 30 30 13 1. X 2 9. 30-0E.	
00000120 A7 13 40 00 90 19 A6 00 08 19 A5 00 D0 20 E2 20 % %	
00000130 D4 14 A4 30 01 19 A9 00 E7 14 B1 30 B0 01 B1 01 C ×0 c +0° +	
00000140 05 19 B2 00 E7 12 B1 30 90 19 A6 00 07 19 A5 00 *. c. +0E. ! ¥	
00000150 D0 20 E2 20 D4 14 AF 30 02 19 A9 00 B1 30 03 19 E . Č. O ±0.	
00000160 A9 00 40 00 90 19 A6 00 09 19 A5 00 D0 20 E2 20 €)E. ¦¥. € .	
00000170 D4 16 A7 12 40 00 A0 19 A6 00 29 08 A5 00 D0 20 Ĉ. §. 🤃 ¥. E	
x=375 Y=10	STANDALONE WRITER



Step 7: Hardware Display and Operate:

a. Display CHIP NAME (Hold 2 sec Display)



- b. Display Auto Mode: (Mode button: click once will change OK and NG Display)
  - 1. Display Checksum
  - 2. Display the counting number that the programming procedure is successful
  - 3. Display the counting number that the programming procedure is not successful



c. Display Software version and Firmware version (Press the Mode button more than 3 seconds continuously to get the information)

		×
$\subset \mathbb{N}$	•	0004
	•	
[]]]	•	onco
1 1.4	•	

d. Enter button: press enter to execute



# 12. Production Limit Mode Writer Operation

This function contains only Auto mode, which records OK and NG counts, and checksum display, there are no other functions, so it is recommended to be used in mass production.

Step 1: Select Device

New_U5BWriter TMU3132		_ 🗆 🗙
Eile Device Operation IC Type Select	×	
Auto Blank Series : 8 Bit Search	ОК	
IC Type : TM57PE10	Cancel	
Display Serial Number Whole Chip Erase		
Mass Production Mode EXHV ISP Program		
Production Limit: 1     ISP Program		
🗖 License Mode		
MCU Type Chip Series Chip Name		
8 Bit   Pure I/O   TM57PE10		Pin Placement
4Bit Pure I/O		59×82
8 Bit ADC TM57ME16		
USB OPA/Comp TM57ME10A3		The second second
Other Touch Key TM57ME18CS Test Page Locker TM57ME20		
TM57MR10		
TM57PE10 TM57PE11A		1 H 3 3
TM57PE11B		
X=12 Y=0	්ළ USB S	J STANDALONE WRITER

Step 2: Select IC and enable the Production Limit Mode to set the writer counts (1~99999999), then press OK.

DK ncel
ncel
-1
3
-1
-



Step 3: Main window will show "Production Limit Mode" and enable "Auto" function

New_USBWriter TM57PE10	
Eile Device Operation Help About	
Kuto Blank check Program Verify Smart Option	Fuse
Chin Name · TM57PE10	
	Production Limit
	Chulum
	Checkson
	Dur mur Din Discourset
	Program Fin Flacement
X=191 Y=16	🖙 USB STANDALONE WRITER

#### Step 4: Select File ->Load File

New_USBWriter TM57PE10	_ 🗆 🗙
Ele     Device     Operation     Help     About       Auto     Blank check     Program     Verify     Smart Option       Chip Name :     TM57PE10	
【唐· ? 搜尋位置①:   57pe10(b:2710)   ←   1	Limit
檔案名稱①: tm57pe10 HEX 開啓② 檔案類型①: Txlce Hex Files (*.hex) ▼ 取消	
X=16 Y=1 0	중 USB STANDALONE WRITER



Step 5: Wait until files are downloaded, click on OK to complete the download

New_USBWriter TM57PE10	×
File Device Operation Help About	
Auto         Blank check         Program         Verify         Smart Option           D:\MyData\桌面\he:         D:\MyData\桌面\he:         Imstraction         Chip Name : Imstraction	- Fuse
Message       ×         上oading Data Ok       Loading Data Ok         Downloading Data , Please don't power off       確定	Production Limit Checksum 21DE
	THE ODD DI HINDREONE WRITER

Step 6: Download OK

New_USBWriter_TM57PE10	
<u>File Device Operation Help About</u>	
Auto         Blank check         Program         Verify	Fuse
D:\MyData\桌面\hexJ挽錄檔\57pe10(b:2710)\tm57pe10.bin Chip Name : TM57PE10	
00000000 3D 30 02 30 A0 00 03 08 A1 00 88 17 09 30 89 15 =0.0j.^0	
00000010 11 30 48 17 0D 30 49 15 39 30 21 08 83 00 20 08 .0⊢0 .90!.f	
00000020 60 00 BF 19 89 00 28 16 1B 30 C6 16 19 30 C6 10 `. ¿ ( 0A:. 0A:	
00000030 1B 30 C6 12 38 30 68 14 1F 30 E7 13 38 30 68 10 . 0A:80h 0ç. 80h.	
00000040 B0 0A 30 08 2F 1F 83 16 38 30 B0 01 27 12 B1 0A ". 0./.f.80".'.±.	Durdnessing Limit
00000050 31 08 3F 1B 0A 1F 83 14 27 13 31 08 3C 1F 83 16 1. ?f.'.1.<.f.	FIGURE BOIL FAIRE
00000060 38 30 B1 01 B2 0A 32 08 06 1F 83 16 38 30 A7 12 80±. <sup>2</sup> .2f. 80§.	Checksum 21DE
00000070 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D5 20 88 01 . 0ß h 0ï C ^.	
UUUUUU8U CH 2U 1U 19 14 UU 87 2U 14 19 H3 UU 8E 2U A7 17 E‡ª.Z §.	
UUUUUUUUU 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 C0 <sup>3</sup> , F0 <sup>3</sup> * <sup>*</sup> , F.	Program Pin Placement
000000000 C6 12 86 11 88 20 27 16 5A 30 27 10 C8 20 82 20 A:» ·20. E ·	
00000000 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 GU .C0 .E A G.	
00000000 0C 30 92 20 51 30 A7 14 0C 30 C0 15 0A 30 E0 20 10 G09,10A;j0a	Coldenar and Coldenar
00000010 B3 0B 73 30 32 30 38 20 20 20 12 40 11 00 13 80 01 100=02 (.1	
00000110 A6 00 02 19 A5 00 D0 20 E2 20 40 00 A7 11 D4 16 ; ¥ E @8 C	
00000120 A7 13 40 00 90 19 A6 00 08 19 A5 00 D0 20 E2 20 § @E	· · · · · · · · · · · · · · · · · · ·
00000130 D4 14 A4 30 01 19 A9 00 E7 14 B1 30 B0 01 B1 01 Ĉ. ×0c. ±0°. ±.	
00000140 05 19 B2 00 E7 12 B1 30 90 19 A6 00 07 19 A5 00².ç.±0Ė.¦¥.	
00000150 D0 20 E2 20 D4 14 AF 30 02 19 A9 00 B1 30 03 19 E . Ĉ. O ±0	
00000160 A9 00 40 00 90 19 A6 00 09 19 A5 00 D0 20 E2 20@)⊏.¦¥.€.	
00000170 D4 16 A7 12 40 00 A0 19 A6 00 29 08 A5 00 D0 20 Ĉ.§.(c) .¦.).¥.E 🥃	
, X=391 Y=14	STANDALONE WRITER



Step 7: Hardware display and operation:

a. Display CHIP NAME (holds for 2 secs display)



- b. Display Limit mode: (hardware mode button can only switch to OK and NG display)
  - 1. Checksum
  - 2. Write OK count
  - 3. Write NG count



c. Display Software version and Firmware version (Press the Mode button more than 3 seconds continuously to operate this function)

	×
SW:	0001
FW:	90F8

- d. Enter button: press enter to execute
- e. When OK count reaches the writing limit setting, writer will not continue to execute



# 13. Manually Update Firmware Function Guide

Step 1: Execute Operation =>Update F/W

New_USI	Writer TM57PE10		
<u>File</u> <u>D</u> evice	Operation Help About		
Auto	Update F/W Verify Serial Number Program Compare File Set Protect Read Chip Info	Fus Chip Name : TM57PE10	8
		Che	ecksum Program Pin Placement
		າດ ການ ການ ການ ການ ການ ການ ການ ການ ການ ການ	
			😪 USB STANDALONE WRITER

Step 2: Select the file to Update.

New_USBWriter TM57PE10
Eile Device Operation Help About
Auto Blank check Program Verify Smart Option Fuse Chip Name : TM57PE10
周密 ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
搜尋位置①: 📄 20150105 🛛 🗸 🖨 🖻 📺 -
TM57PE10.nce 檔案名稱(1): TM57PE10.nce 檔案類型(1): Txice Nce Files (*.nce) 取消
X=99 Y=1 USB STANDALONE WRITER



New_USBWriter TM57PE10	
Eile Device Operation Help About	
Auto Blank check Program Verify Smart Option	Fuse
Chip Name : TM57PE10	
Message X	Checksum
Update Firmware Ok	Durger Die Diesewant
	r iogram r in r iacement

Step 3: Start execution (start loading into hardware), click on OK to complete the set

Step 4: During the Updating Firmware period, the LCD will display UPDATE\_FW WAIT.

	×
UPDATE_FW WAIT	

Step 5: After successfully updating Firmware, the LCD will display the CHIP NAME.

	×
CUTD NAME	
IMbYPElU	

52



# 14. Compare File Function Operation

Display writer register data, " IC Name ", " Download File Time ", and " Compare File Result ".

Step 1: Select Operation ->Compare File

R	New_USB	Writer	_TM	57PE	10																		
E	ile <u>D</u> evice	Opera	ition	Help	A	bout																	
	Auto	Upe	late F	=/₩						Ve:	rifv	1								Smart	Opti	ml	-Fuse
		Ser	ial Nu	ımber	r Pro	gram	1	E	<u> </u>	_				-1									
	D:\MyData\	Cor	npare	e File				1)\to	ո57բ	e10.	bin					Cł	hip N	iame :	TM	457PE1	10		
	00000000	Set	Prot	ect				08	A1	00	88	17	ng	30	89	15	=0	0	i	^ 0	1		
	00000010	Rea	ad Ch	ip Inf	ō			15	39	30	21	08	83	00	20	08	. 0		1.90	D!.f.		-	
	00000020	60 0	) BF	19	89	00	28	16	1B	30	C6	16	19	30	C6	10	۰.	¿	(0	DA: O	A:		
	00000030	1B 3	0 08	6 1 2	38	30	68	14	1F	30	E7	13	38	30	68	10	. 0,	A.: 80	h C	Dç. 80	h.		
	00000040	B0 0/	4 30	08	2F	1F	83	16	38	30	Β0	01	27	12	Β1	0A	۰.	0.7.	f. 80	D <sup>®</sup> .'.	±.		
	00000050	31 0	3 3F	18	0A	1F	83	14	27	13	31	08	3C	1F	83	16	1. '	?	f.'.	1. ≺.	f.	_	
	00000060	38 3	D B1	01	82	0A	32	08	06	1F	83	16	38	30	A7	12	80:	±. ².	2	f. 80	§.		Checksum 21DE
	00000070	OD 3	J DF	19	89	00	68	12	0D	30	EF	20	D5	20	88	01	. 01	ß	h(	UIC.	<u>.</u>		
	00000080	CH 2	ט 1 U רים ר	19	14	00	87	20	14	19	83	00	8E	20	A/ 40	17	E.	 з го	‡	°. 4	§.		
	000000000	- 44 JI - CG 11	) D3 20 (	11	40	20	92	20	6A	20	09 27	10	00	13	40	13	 Д:	FU	. 70		г. 2		Program Pin Placement
	0000000000	92 2	2 00 1 51	30	27	17	63	30	27	11	CB	20	01	20	67	15		» 	. Հա ոՈ'	ËÁ	n		1.3/x87.
	0000000000	6C 3	) 92	20	51	30	A7	14	-6C	30	C6	15	6A	30	EO	20	1.0	ີເດ	6.IC	0A:i 0	a. là		
	000000000	C6 1	7 7E	30	E7	17	53	30	СВ	20	88	01	C6	10	86	13	A	{ 0c.	SOË	с. А.			Conductor Conductor Conductor
	000000E0	DE 2	) 86	11	87	20	14	19	В3	00	8E	20	A7	15	73	30		. ‡		ާ.	sO		
	000000F0	B3 0	3 75	30	3D	30	СВ	20	28	12	48	11	86	13	Β0	01	3 . I	u0=0	Ë (.	⊢	۰.		
	00000100	B1 01	1 82	01	C1	20	8E	20	A7	15	83	30	3D	30	90	19	±. '	₹.Á.	ާ.	f0=0	E.		
	00000110	A6 0	0 02	19	A5	00	DO	20	E2	20	40	00	A7	11	D4	16	$\{\cdot,\cdot\}$	¥. '	Ð.	€?§.	Ĉ.		
	00000120	A7 1:	3 40	00	90	19	A6	00	08	19	A5	00	DO	20	E2	20	۹. ۱	€3⊑.		¥. E			· · · · · · · · · · · · · · · · · · ·
	00000130	D4 1	4 A4	30	01	19	A9	00	E7	14	81	30	80	01	81	01	C	×0	ç.	.±0°.	±.		
	00000140	U5 1	9 B2	2 00	E/	12	81	30	90	19	A6	00	07	19	A5	00	' 	*.ç.	±UE.	·   · · · ·	¥.		
	00000150		J E2 D 40	20	00	10	AF AG	3U 00	02	19	A9 A6	00	81	30	03	19	t.	. U. ഭാല	U	±U ⊻ ⊑			
	00000100	- AS U	5 40 3 87	12	30	19	AD	10	09	19	20	00	25	20		20	ĉ	(C, ⊑. 8 Ø)	1.1.1	.∓.Ե. \¥	₽		
	0000170	041		12	40	00	~0	10	~0	00	23	50	~1	00	00	20	0.3	5. G3		/. <del>.</del>	-	•	
X=	=139 Y=0																						🖙 USB STANDALONE WRITER

Step 2: Download File information window shows up

Download File Information	×
Chip Name : TM57PE10	
Download File Time :2016/2/5_15:56:22	
Compare Result :	
Compare File Cancel	



Step 3: Press " Compare File " button, select the file to be compared, then press " Open " button.



Step 4: Wait for compare result, OK/Fail

New_USBWriter_TM57PE10	_ 🗆 X
<u>File D</u> evice <u>O</u> peration <u>H</u> elp <u>A</u> bout	
Auto Blank check Program Verify Smart Option	Fuse
D:\MyData\桌面\hex,姨緖'\S7pe10(tx2710)\tm57pe10.bin Chip Name : TM57PE10	
00000000 3D 30 02 30 A0 00 03 08 A1 00 88 17 09 30 89 15 =0.0;, 00000010 11 30 48 17 0D 30 49 15 39 30 21 08 83 00 20 08 .0H0I.90!.f 00000020 60 00 BF 19 89 00 28 16 1B 30 C6 16 19 30 C6 10	
00000030 1B 30 C6 12 38 30 Download File Information	
00000060 38 30 B1 01 B2 0A 000000070 0D 30 DF 19 89 00 Chip Name : TM57PE10	hecksum 21DE
00000080 CB 20 10 19 14 00 00000090 44 30 B3 0B 46 30 00000000 C6 12 86 11 BB 20 Compare Result : OK	Program Pin Placement
000000B0 92 20 51 30 27 17 000000C0 6C 30 92 20 51 30 000000C0 C6 17 7B 30 E7 17	
000000E0 DE 20 86 11 87 20 000000F0 B3 0B 75 30 3D 30 00000100 B1 01 B2 01 C1 20	
00000110 A6 00 02 19 A5 00 D0 20 E2 20 40 00 A7 11 D4 16 ¦¥.E. (€)§.Ĉ. 00000120 A7 13 40 00 90 19 A6 00 08 19 A5 00 D0 20 E2 20 §. (€)C. ¦¥.E. 00000130 D4 14 A4 30 01 19 A9 00 E7 14 B1 30 B0 01 B1 01 Ĉ. ≈0c. t0° ±.	
00000140 05 19 B2 00 E7 12 B1 30 90 19 A6 00 07 19 A5 00 <sup>2</sup> . ç. ±0⊏ ¦¥. 00000150 D0 20 E2 20 D4 14 AF 30 02 19 A9 00 B1 30 03 19 € . Ĉ. <sup>-</sup> 0±0 00000160 A9 00 40 00 90 19 A6 00 09 19 A5 00 D0 20 E2 20¢3⊏ ¦¥. € .	
00000170 D4 16 A7 12 40 00 A0 19 A6 00 29 08 A5 00 D0 20 Ĉ. §. (;).;.).¥.E	😽 USB STANDALONE WRITER



# **15. Set Protect Function Operation**

Step 1: Select Operation ->Set Protect

Elle       Device       Operation       Help       About         Auto       Update F/W       Smart Option       Smart Option       Fuse         D/My/Datx/       Compare File       Vim57pe10.bin       Chip Name :       TM57PE10         00000000       Set Protect       08 A1 00 88 17 09 30 89 15 = 0.0 (0.0.)       6 39 30 21 08 83 00 20 08 .0 +. 01 .90!.f.       0.0.0.0.0.0.0.0         00000000       Read Chip Info       5 39 30 21 08 83 00 20 08 .0 +. 01 .90!.f.       0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.
Auto         Update F/W         Smart Option           D/My/Datx/         Compare File         Wm57pe10.bin         Chip Name : TM57PE10           00000000         Set Protect         08 A1 00 88 17 09 30 89 15 = 0.0 ( 0 0 0 0 0
D:MyDatx/ Compare File         Vim:57pe10.bin         Chip Name : TM57PE10           00000000 00000010         Set Protect         08 A1 00 88 17 09 30 89 15 = 0.0 ( 0 0 0 0 0
D:MyData/ 00000000         Compare File         Vtm57pe10 bin         Chip Name : TM57PE10           00000000 0000000         Set Protect         8 A1 00 88 17 09 30 89 15 = 0.0 ( 0 0 0 0 0
Set Protect         Read Chip Info         8 A1 00         88 17 09 30         89 15 = 0.0         1.1         0.0         A           00000000         Read Chip Info         5 39 30         21 08 83 00         20 08         0.1         1.1         0.0         A         0.0         A         0.0         B         0.0         A         0.0         A         0.0         B         19 89 00         28 16         1B 30         C6 16         19 30         C6 10         1.2         0.0         A         0.0         A         0.0         A         0.0         A         0.0         A         0.0         A         0.0         B         A         10         8.3         0.0         0.0         A         A         0.0         A         A         0.0         A <t< th=""></t<>
Read Chip Info       5 39 30 21 08 83 00 20 08 .0H. 01.901. f         00000010       Read Chip Info       5 39 30 21 08 83 00 20 08 .0H. 01.901. f       .<
00000020 60 00 BF 19 89 00 28 16 1B 30 C6 16 19 30 C6 10 `. ¿ ( 0.4: 0.4: 00000030 1B 30 C6 12 38 30 68 14 1F 30 E7 13 38 30 68 10 .0.4:80h0c, 80h. 00000040 B0 0A 30 08 2F 1F 83 16 38 30 B0 01 27 12 B1 0A *. 0.7 f. 80*. '. ±. 00000050 31 08 3F 1B 0A 1F 83 14 27 13 31 08 3C 1F 83 16 1? f. '. 1. < f. 00000050 38 30 B1 01 B2 0A 32 08 66 1F 83 16 38 30 A7 12 80±. *. 2 f. 80§. 00000070 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D5 20 88 01 .0.6h. 0ī Č ^. 00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 Ė ± *. Ž §. 00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 Ė ± *. Ž §. 00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 Ė ± *. Ž §. 00000080 CB 20 10 19 14 00 87 20 17 16 5A 30 27 10 CB 20 B2 20 A2 * *. Drogram Pin Placement 00000080 C6 12 86 11 BB 20 27 16 5A 30 27 11 CB 20 C1 20 67 15 ' G0'.c0'. Ė Å g. 00000000 92 20 51 30 27 17 63 30 27 11 CB 20 15 ' a 60 10 ' G0§. 10A; j 0à 00000000 C6 C3 0 92 20 51 30 A7 14 6C 30 C6 15 6A 30 E0 20 10' G0§. 10A; j 0à 00000000 C6 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A; (0c. 80Ė ^ A; A;
00000030 1B 30 C6 12 38 30 68 14 1F 30 E7 13 38 30 68 10 . 0A:80h 0ç. 80h.         00000040 B0 0A 30 08 2F 1F 83 16 38 30 B0 01 27 12 B1 0A *. 0.7. f. 80*. '.±.         00000050 31 08 3F 1B 0A 1F 83 14 27 13 31 08 3C 1F 83 16 1? f. *. 1. <.f.         00000050 38 30 B1 01 B2 0A 32 08 06 1F 83 16 38 30 A7 12 80±.*. f. 80%.         00000050 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D5 20 88 01 .06 h. 0° Č ^.         00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 É ‡ ³. Ž §.         00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 É ‡ ³. Ž §.         00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 É ‡ ³. Ž §.         00000080 CB 20 10 19 14 00 87 20 14 20 80 01 88 13 48 13 C <sup>3</sup> . F0' <sup>3</sup> +.         00000080 CB 20 10 19 14 00 87 20 14 20 80 01 CB 20 B2 20 A2 * '.ZO'. É <sup>3</sup> 00000080 CB 20 10 19 14 00 87 20 14 20 80 01 CB 20 B2 02 CB 20 B2 00 67 15 '.G'. c0'. É <sup>3</sup> 00000080 CB 12 66 11 BB 20 27 16 5A 30 27 10 CB 20 B2 06 7 15 '.G'. c0'. E <sup>3</sup> 00000080 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 '.G'. c0'. E <sup>4</sup> 00000000 6C 63 09 22 05 13 0 A7 14 6C 30 C6 15 6A 30 E0 20 10' .0%. 10A; j0 à         00000000 C6 C17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A; (0c. S0É ^.A;)         00000000 C6 C17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A; (0c. S0É ^.A;)         00000000 C6 C17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A; (0c. S0É ^.A;)         00000000 C6 C17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A; (0c. S0É ^.A;)
00000040       B0 0A 30 08 2F 1F 83 16 38 30 B0 01 27 12 B1 0A *.0./.f. 80*.'.±.         00000050 31 08 3F 1B 0A 1F 83 14 27 13 31 08 3C 1F 83 16 1.?f.'.1. <f.< td="">         00000060 38 30 B1 01 B2 0A 32 08 06 1F 83 16 38 30 A7 12 80±.².2f. 80§.         00000070 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D5 20 88 01 .06h. 01 Č.'.         00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 Étt         00000080 C4 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 D0<sup>3</sup>.F0' ²         00000000 C4 13 08 30 46 11 BE 20 71 65 A30 27 10 CB 20 B2 20 A2s'.Z0'.É ²         00000000 6C 30 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 's'.Z0'.É Å g.         00000000 6C 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A2(0c.80É .A2)         00000000 C6 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A2(0c.80É .A2)</f.<>
00000050 31 08 3F 1B 0A 1F 83 14 27 13 31 08 3C 1F 83 16 1. ?f.'.1.<.f.         00000060 38 30 B1 01 B2 0A 32 08 06 1F 83 16 38 30 A7 12 80±.².2f. 80§.         00000070 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D5 20 88 01 1.08h. 00° Č ^         00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 Ėtt
00000060 38 30 B1 01 B2 0A 32 08 06 1F 83 16 38 30 A7 12 80±.².2f. 80§.       00000070 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D5 20 88 01 .08h. 01 Č       Checksom       21DE         00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 ɇž.Ž.Š.       00000090 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 D0³. F0' ²h.       Checksom       21DE         00000000 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 D0³. F0' ²h.       Cost and a start and a star
00000070 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D5 20 88 01 .08h. 0ĭ Č ^. 00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 É ‡ ². Ž §. 00000090 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 20 20 C <sup>2</sup> b' ². Č ↓ 000000A0 C6 12 86 11 BB 20 27 16 5A 30 27 10 CB 20 B2 20 A2 b' ². Č É ² 0000000B0 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 ' C0'. c0'. É Å g. 0000000C0 6C 30 92 20 51 30 A7 14 6C 30 C6 15 6A 30 E0 20 10' G0§.10A; j 0à 000000D0 C6 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A; {0g. 80Ê ^
00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 8E 20 A7 17 E ‡ ‡ Ž S. 00000090 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 Co <sup>3</sup> . Fo <sup>1</sup> = È 0000000A0 C6 12 86 11 BB 20 27 16 5A 30 27 10 CB 20 B2 20 A2 * Č Co <sup>1</sup> . Co <sup>1</sup> . É <sup>2</sup> 0000000B0 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 ' CO <sup>1</sup> . Co <sup>1</sup> . Co <sup>1</sup> . É <sup>2</sup> 0000000C0 6C 30 92 20 51 30 A7 14 6C 30 C6 15 6A 30 E0 20 10' COS. 10A; j 0à 000000D0 C6 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A; {0c. S0É ^ A
00000090 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 13 48 13 C <sup>3</sup> FO' <sup>2</sup> F. 000000A0 C6 12 86 11 BB 20 27 16 5A 30 27 10 CB 20 B2 0B 20 B2 07 15 ' CO'. CO'. É À g. 000000B0 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 ' CO'. CO'. É À g. 000000C0 6C 30 92 20 51 30 A7 14 6C 30 C6 15 6A 30 E0 20 I O' GOS. I DA: j Oà 000000D0 C6 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A: {0c. S0É A.A
000000A0 C6 12 86 11 BB 20 27 16 5A 30 27 10 CB 20 B2 20 A: * '. 20'. E ' 000000B0 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 ' C0'. C0'. Ë Å g. 000000C0 6C 30 92 20 51 30 A7 14 6C 30 C6 15 6A 30 E0 20 I 0' C0\$. I 0A: j 0à 000000D0 C6 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A: {0g. S0Ë A:
00000000 92 20 51 30 27 17 63 30 27 11 CB 20 C1 20 67 15 ° C0°. E A g. 0000000C0 6C 30 92 20 51 30 A7 14 6C 30 C6 15 6A 30 E0 20 I 0' C0§. I 0A: j 0à 000000D0 C6 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A: {0g. S0E . A:
00000000 66 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 Ai { 0c. SOE . Ai
00000130 D4 14 A4 30 01 19 A9 00 E7 14 B1 30 B0 01 B1 01 C. ×0c. ±0". ±.
00000140 05 19 B2 00 E7 12 B1 30 90 19 A6 00 07 19 A5 00 <sup>2</sup> , c, ±0 <sup>C</sup> , i,¥.
00000150 D0 20 E2 20 D4 14 AF 30 02 19 A9 00 B1 30 03 19 € . Ĉ. ¯0±0
00000160 A9 00 40 00 90 19 A6 00 09 19 A5 00 D0 20 E2 20
00000170 D4 16 A7 12 40 00 A0 19 A6 00 29 08 A5 00 D0 20 Ĉ.Ş. (;) .;.).¥.E
X=315 Y=28 USB STANDALONE WRITER

Step 2: Option Select 1 window shows up

Annu Alexandri A	
Eile Device Operation Help About	
Auto Blank check Program Verify Smart Option	Fuse
D:\MyData\桌面\hexL镜錄檔\57pe10(bx2710)\tm57pe10.bin Chip Name: TM57PE10	
00000000 3D 30 02 30 A0 00 03 08 A1 00 88 17 09 30 89 15 =0.0j.^0 🔺	
00000010 11 30 48 17 0D 30 49 15 39 30 21 08 83 00 20 08 .0⊢0I.90!.f 🗍	
00000020 60 00 BF 19 89 00 28 16 1B 30 C6 16 19 30 C6 10 `. ¿(0A:.0A:	
00000030 1B 30 C6 12 38 30 68 14 1F 30 E7 13 38 30 68 10 . 0A:80h 0ç. 80h.	
00000040 B0 0A 30 08 2F 1F 83 16 Option Select	
00000050 31 08 3F 1B 0A 1F 83 14	
00000060 38 30 B1 01 B2 0A 32 08	Checksum 21DE
00000070 0D 30 DF 19 89 00 68 12	
00000080 CB 20 10 19 14 00 87 20	
	Program Pin Placement
	The second
00000000 DE 20 86 11 87 20 14 19	
00000100 B1 01 B2 01 C1 20 8E 20 A7 15 83 30 3D 30 90 19 ± <sup>2</sup> Á Ž § <i>f</i> 0=0	
00000110 A6 00 02 19 A5 00 D0 20 E2 20 40 00 A7 11 D4 16 ¥.E. Øs.Ĉ	
00000120 A7 13 40 00 90 19 A6 00 08 19 A5 00 D0 20 E2 20 § @ C	· · · · · · · · · · · · · · · · · · ·
00000130 D4 14 A4 30 01 19 A9 00 E7 14 B1 30 B0 01 B1 01 Ĉ. ×0c. ±0°. ±.	
00000140 05 19 B2 00 E7 12 B1 30 90 19 A6 00 07 19 A5 00².ç.±0E.¦¥.	
00000150 D0 20 E2 20 D4 14 AF 30 02 19 A9 00 B1 30 03 19 E . Ĉ. O ±0	
00000160 A9 00 40 00 90 19 A6 00 09 19 A5 00 D0 20 E2 20@;c.¦¥.€.	
00000170 D4 16 A7 12 40 00 A0 19 A6 00 29 08 A5 00 D0 20 Ĉ. Ŝ. 🤅 . ¦.).¥. E	
X=95 Y=0	😪 USB STANDALONE WRITER



Step 3: Select Unprotect or Protect, then press " OK " button, wait for the setting completes

A New_USBWriter_TM57PE10	×
Eile Device Operation Help About	
Auto Blank check Program Verify Smart Option	-Fuse
D:\MyData\桌面\hex,燒錄檔\57pe10(b:2710)\tm57pe10.bin Chip Name : TM57PE10	
00000000 3D 30 02 30 A0 00 03 08 A1 00 88 17 09 30 89 15 =0.0j.^0 🔺	
00000010 11 30 48 17 0D 30 49 15 39 30 21 08 83 00 20 08 .0⊢0I.90!.f	
00000020 60 00 BF 19 89 00 28 16 1B 30 C6 16 19 30 C6 10 `. ¿(0A:.0A:	
00000030 1B 30 C6 12 38 30 68 14 1F 30 E7 13 38 30 68 10 . 0A:80h 0ç. 80h.	
00000040 B0 0A 30 08 2F 1F 83 16 38 30 B0 01 27 12 B1 0A ". 0. /. f. 80". '. ±.	
00000050 31 08 3F 1B 0A 1F 83 14 27 13 31 08 3C 1F 83 16 1. ?f.'.1.<.f.	
00000060 38 30 B1 01 B2 0A 32 08 06 1F 83 16 38 30 A7 12 80+ 2.2f. 80§.	Checksum 21DE
00000070 0D 30 DF 19 89 00 68 12 0D 30 EF 20 D Message 🗵 . h 0ï Č ^.	Checksoni [2122
00000080 CB 20 10 19 14 00 87 20 14 19 B3 00 88 Set Select OK . ‡3. Ž §.	
00000090 44 30 B3 0B 46 30 92 20 B2 20 89 01 88 Select OK F0' 2 H.	Program Pin Placement
000000A0 C6 12 86 11 BB 20 27 16 5A 30 27 10 C	
000000B0 92 20 51 30 27 17 63 30 27 11 CB 20 C [	Language balleton
00000000 6C 30 92 20 51 30 A7 14 6C 30 C6 15 6/C0§.   0A:j 0à	
000000D0 C6 17 7B 30 E7 17 53 30 CB 20 88 01 C6 10 86 13 A:{0ç. S0Ê (.A:	
000000E0 DE 20 86 11 87 20 14 19 B3 00 8E 20 A7 15 73 30‡³.ާ.s0	
000000F0 B3 0B 75 30 3D 30 CB 20 28 12 48 11 86 13 B0 01 3.u0=0E (.H*.	n an
00000100 B1 01 B2 01 C1 20 8E 20 A7 15 83 30 3D 30 90 19 ±. <sup>2</sup> . A Z §. f0=0 <u>c</u> .	
00000110 A6 00 02 19 A5 00 D0 20 E2 20 40 00 A7 11 D4 16 ¦¥.E. (;)§.C.	
00000120 A7 13 40 00 90 19 A6 00 08 19 A5 00 D0 20 E2 20 §. (;) E. ; ¥. E .	· · · · · · · · · · · · · · · · · · ·
00000130 D4 14 A4 30 01 19 A9 00 E7 14 B1 30 B0 01 B1 01 C. ×0ç.±0°.±.	
00000140 05 19 B2 00 E7 12 B1 30 90 19 A6 00 07 19 A5 00².ç.±0⊏.¦¥.	
00000150 D0 20 E2 20 D4 14 AF 30 02 19 A9 00 B1 30 03 19 E . C. O ±0	
00000160 A9 00 40 00 90 19 A6 00 09 19 A5 00 D0 20 E2 20 €JE.¦¥.E.	
00000170 D4 16 A7 12 40 00 A0 19 A6 00 29 08 A5 00 D0 20 C.§. (e) ). ¥. E	
x=95 Y=0	😪 USB STANDALONE WRITER



# 16. Read Chip Info Function Operation

Note: It does not support Mass Production and Production Limit mode.

Read Target IC info, "system config ", "checksum ", "ID ".

Step 1: Select Operation ->Read Chip Info

New_USBWriter_TM57PE10		
File Device Operation Help About		
Auto Update F/W	Verify Smart O	ption Fuse
Serial Number Program		
D:\MyData\ Compare File	)\tm57pe10.bin Chip Name : TM57PE10	
Set Protect	08 A1 00 88 17 09 30 89 15 =0 0 ; ^ 0	
00000010 Read Chip Info	15 39 30 21 08 83 00 20 08 .0⊢0 .90!.f.	
00000020 60 00 BF 19 89 00 28	3 16 1B 30 C6 16 19 30 C6 10 `. ¿(0404	
00000030 1B 30 C6 12 38 30 68	3 14 1F 30 E7 13 38 30 68 10 .OA.80h.Oç.80h.	
00000040 B0 0A 30 08 2F 1F 83	3 16 38 30 BO 01 27 12 B1 0A ".O./.f.80 <sup>°</sup> .'.±.	
00000050 31 08 3F 1B 0A 1F 83	3 14 27 13 31 08 3C 1F 83 16 1.?f.'.1.≤.f.	
00000060 38 30 B1 01 B2 0A 32	2 08 06 1F 83 16 38 30 A7 12 80±.².2f.80§.	Checksum 21DE
00000070 0D 30 DF 19 89 00 68	3 12 0D 30 EF 20 D5 20 88 01 .0ßh0ï Ç^.	
00000080 CB 20 10 19 14 00 87	7 20 14 19 B3 00 8E 20 A7 17 E ‡³.Z §.	
00000090 44 30 83 08 46 30 92	2 20 82 20 89 01 88 13 48 13 CO3.FO' *	Program Pin Placement
000000A0 C6 12 86 11 BB 20 27	〈 16 5A 3U 2/ 1U CH 2U H2 2U A:》 '. 2U'. E * 〉 30 37 44 OD 30 04 30 67 45 / COL 。OL 声 É é ~	t Note
	3 30 27 11 CH 20 CH 20 67 15 - GU .CU .E A G. 7 14 60 20 06 15 68 20 E0 20 10' 006 10400 à	
	30 CB 20 88 01 C6 10 86 13 400 609.104	The second se
000000E0 DE 20 86 11 87 20 14	1 1 9 B3 00 8F 20 A7 15 73 30 t ³ Ž & si	
000000F0 B3 0B 75 30 3D 30 CE	B 20 28 12 48 11 86 13 B0 01 <sup>3</sup> . u0=0Ë (. H <sup>e</sup> .	
00000100 B1 01 B2 01 C1 20 8E	E 20 A7 15 83 30 3D 30 90 19 ±.².Áާ.f0=0⊏.	
00000110 A6 00 02 19 A5 00 D0	0 20 E2 20 40 00 A7 11 D4 16 ¦¥.E. (c)§.Ĉ.	
00000120 A7 13 40 00 90 19 A6	6 00 08 19 A5 00 D0 20 E2 20 §. @)⊑.¦¥.€.	이 아파 이 아파
00000130 D4 14 A4 30 01 19 A9	9 00 E7 14 B1 30 B0 01 B1 01 Ĉ.∞0ç.±0°.±.	
00000140 05 19 B2 00 E7 12 B1	1 30 90 19 A6 00 07 19 A5 00₹.ç.±0⊏.¦¥.	
00000150 D0 20 E2 20 D4 14 AF	F 30 02 19 A9 00 B1 30 03 19 € . Ĉ.⊤O±O	
00000160 A9 00 40 00 90 19 A6	3 00 09 19 A5 00 D0 20 E2 20 @)⊑.¦¥.€.	
00000170 D4 16 A7 12 40 00 A0	J 19 A6 OO 29 O8 A5 OO DO 20 C.§.(ċ) .¦.).¥.€	<b>v</b>
X=132 Y=27		ଞ୍ଚେ USB STANDALONE WRITER

Step 2: Read chip information window shows up

Read CHIP Information		×
Chip Name: System Config: Checksum <sup>:</sup>		
ID:		
	Read	Cancel



Step 3: Press "Read" button, start reading, wait for completed

4	New_USB	Writ	er_	TM5	7PE	10																			
E	ile <u>D</u> evice	Ope	eratio	on	Help	i Al	bout		_	d			-1								~	. 1	- F		
	Auto		Bla	nk ci	neck		Pro	grar	n		Yei	ıfy								4	Smart Op	tion	-		
	D:\MyData\	桌面	j\hex	焼銵	福1	57pe	10(t	271	0)\tr	մ57p	e10.	bin			1		Cł	up Na	ame :	TM	(57PE10				
	00000000	3D	30	02	30	AO	00	03	08	A1	00	88	17	09	30	89	15	=0.	0	· i ·	^O				
	00000010	11	30	48	17	0D	30	49	15	39	30	21	08	83	00	20	08	. OH	OI	. 90	)!. <b>f</b>				
	00000020	60	00	ΒF	19	89	00	28	16	18	30	C6	16	19	30	C6	10	<u>`.</u> č	(	(0	)A.:. 0A.:				
	00000030	18	30	C6	12	38	30	Re	ad (	HIP	Inf	orm	atio	n									×		
	00000040	80	0A	30	08	2F	1F																		
	00000050	31	08	3F	18	0A	1F		Ch	in P	Jan		тм	1571	PE1	IN									
	00000060	38	30	81	01	82	UA			· P ·														hecksum 21DE	
	00000070		30		19	89	00		Sy	ste	m (	Cont	ig :	3ff	f									,	
	000000080	44	20	10	19	14	20		Ch	eck	sili	n : :	3fff												
	000000030	44 C6	12	26	11	40	20																	Program Pin P.	acement
	0000000000	92	20	51	30	27	17		ID	: 2	10													K.S. & K.J.	
	nnnnncn	6C	30	92	20	51	30																	ante, haired	S. 19 📲 📾 🚰
	0000000000	C6	17	7B	30	E7	17																	Anno Children An	프
	000000E0	DE	20	86	11	87	20								1		Re	he		1	Cance	ы	1		
	000000F0	В3	0B	75	30	3D	30								1		1.00	, au	)	_	Cance	-			
	00000100	В1	01	В2	01	C1	20	_															_		
	00000110	A6	00	02	19	A5	00	D0	20	E2	20	40	00	A7	11	D4	16	1	. ¥. ŧ	Ε.	@}§. Ĉ.		1		
	00000120	A7	13	40	00	90	19	A6	00	08	19	A5	00	D0	20	E2	20	§. (	DE		¥.E.		- 2	🚺 🗄 🖓 🖓 🖉	
	00000130	D4	14	A4	30	01	19	A9	00	E7	14	B1	30	Β0	01	Β1	01	Ĉ.×	0	.ç.	±0°.±.		1.1	😓 i 📩 i i	R : <u></u> R .
	00000140	05	19	В2	00	E7	12	В1	30	90	19	A6	00	07	19	A5	00	<sup>2</sup>	.ç.±	±0E.	¦¥.				
	00000150	DO	20	E2	20	D4	14	AF	30	02	19	A9	00	В1	30	03	19	£.	Ĉ	-0	±0				
	00000160	A9	00	40	00	90	19	A6	00	09	19	A5	00	DO	20	E2	20	<u>.</u> (	],⊏.¦		¥.E.				
	00000170	D4	16	A7	12	40	00	A0	19	A6	00	29	08	A5	00	DO	20	C. §	. C)	-   -	).¥.E	-			
X=	=113 Y=1																							ିଙ୍କ USB STAND	ALONE WRITER



# 17. Read Hardware ID Operation

Step 1: Select Help -> Read Hardware ID

Answ_USBWriter_TM57PE10	
File Device Operation Help About	
Auto Blank User Manual Verify Smart Option	Fuse
Check New Version Chin Name : TM57PE10	1
Read Hardware ID	]
Read License ID	
Reset Writer F/W	
Writer Simple Test	
Update Chip	
	Checksum 21DE
	Program Pin Placement
	Law R. Switz
X=239 Y=0	USB STANDALONE WRITER

Step 2: Click on OK, read writer hardware ID successfully

New_USBWriter_TM57PE10	
File Device Operation Help About	
Auto Elank check Program Verify Smart Option Chip Name : TM57PE10	Fuse
Hardware ID X	Checksum 21DE
Hardware : TWR100 ID : 003016	Program Pin Placement
X=225 Y=57	କ୍ଟି USB STANDALONE WRITER



# **18. Read License ID Operation**

Step 1: Select Help -> Read License ID

New_USBWriter_TM57ME15	
Eile Device Operation Help About	
Auto Blank User Manual Verify Smart Option	Fuse
D:\MyData\桌面\hexLk器 Check New Version n Chip Name : TM57ME15	
00000000 21 30 00 Read License ID 18 D5 18 BE 18 B3 18 !0. 0 ï. ï. Č. ½ 3.	
00000000 09 17 18 Reset Writer F/W DA 05 19 21 02 03 16 07 j!	
00000030 1B 30 A1 Writer Simple Test 00 24 08 83 00 25 08 .0i \$. f. %.	
00000040 60 00 AE UPDate CNIP 19 05 1E 99 19 06 1E `.«U™	
00000060 8B 12 0B 13 00 19 02 1E 10 19 88 00 37 19 81 00 <	Checksum 3127
00000070 89 01 07 19 8C 00 0D 19 0C 1E 8C 10 20 16 3E 30 0:0:>0	
00000090 A6 0A 26 08 02 20 0D 1E A7 00 60 16 50 30 5F 30 ¦.&§.`. PO_0	Program Pin Placement
000000A0 03 10 A7 0C 27 08 A8 00 03 10 A8 0C 28 08 A7 07\$.'."".(.\$.	L.#×\$3
000000C0 65 30 E0 10 A9 01 AA 01 AB 01 06 19 29 02 03 16 e0à«)	
000000D0 6A 30 73 30 20 17 70 30 20 11 05 19 8D 02 71 30 j 0s0 . p0 E. q0	
00000000 20 13 A9 0A 32 30 0A 19 2A 02 03 18 78 30 81 30	
00000100 3E 30 14 19 2B 02 03 16 86 30 8F 30 20 17 8C 30 ≻0+0⊏0 . C0	
UUUUUU11U 2U 11 U3 19 8D U2 8D 3U 2U 13 AB UA 3E 3U 14 19E.EU .≪.>U NNNNN12N ND N2 N3 16 9B 3N 2N 17 99 3N 2N 11 N2 19 8D N2 → N ™N F	
00000130 9A 30 20 13 3E 30 AC 0A 14 19 2C 02 03 16 3E 30 š0 .>0¬,>0	
00000140 AC 01 8D 03 05 19 0D 02 03 14 3E 30 60 10 E0 12 ¬.E>0`.à.	
00000160 83 14 40 00 84 0A AD 30 FF 3F FF 3F FF 3F FF 3F f. @,0.?.?.?	
00000170 FF 3F . ?. ?. ?. ?. ?. ?. ?. ?	
	🖙 USB STANDALONE WRITER

Step 2: Read Writer License ID successfully (details, please refer to License User Manual)

New_USBWriter_TM57ME15	
File Device Operation Help About	
Auto Blank check Program Verify Smart Option	Fuse
D:\MyData\桌面\hex,燒錄檔\tx2817\ME15-Buzzer.bin Chip Name: TM57ME15	
00000000 21 30 0D 30 82 07 EF 18 EF 18 D5 18 BE 18 B3 18 10.0, Ĭ, Ĭ, Č, Š, Ž, 00000010 9F 18 8E 18 7F 18 7F 18 7F 18 A5 00 03 08 A4 00 Ÿ, Ž,, ¥,, 00000020 09 17 1B 30 37 19 81 07 A1 0A 05 19 21 02 03 16 07, j,, 1         00000000 10 9F 18 8E 18 7F 18 7F 18 7F 18 A5 00 03 08 A4 00 Ÿ, Ž,, ¥,, 00000020 09 17 1B 30 37 19 81 07 A1 0A 05 19 21 02 03 16 07, j,,, 1         00000000 1B 30 A1 01 20 12 00 19 89 00 24 08 83 00 25 08 .0j,, \$, f, %         00000000 60 00 AB 20 F5 19 85 00 55 19 95 1E 99 19 06 1E `,,,,         00000000 1F 19 9F 00 00 19 8B 00 CB 10 00 00 00 00 00 00, Y,, E,, 00000060 8B 12 0B 13 00 19 02 1E 10 19 88 00 37 19 81 00, Y,, E,, 00000000 89 01 07 19 8C 00 0D 19 0C 1E 8C 10         00000000 20 10 A0 16 49 30 A0 10 07 19 26 02         00000000 20 10 A0 16 49 30 A0 10 07 19 26 02         00000000 20 10 A0 16 49 30 A0 10 07 19 26 02         00000000 20 10 A0 16 49 30 A0 10 07 19 26 02         000000000 20 10 A0 16 49 30 A0 10 07 19 26 02         000000000 20 10 A0 16 49 30 A0 10 07 19 26 02         000000000 20 10 A0 16 49 30 A0 10 07 19 26 02         000000000 20 10 A0 31 0 A8 0C         00000000 20 10 A3 04 30 73 30 20 17 70 30 20 11 05 19 8D 02 71 30 j0s0 .p0 E q0         00000000 20 13 A9 0A 3E 30 0A 19 2A 02 31 16 78 30 81 30>0* 0.0         00000000 20 17 7 E30 20 11 04 19 8D 02 7F 30 20 13 AA 0A>0 E         00000000 20 17 7 73 02 21 10 44 98 20 27 13 02 13 AA 0A>0 E         00000000 20 17 7 73	Checksum 3127 Program Pin Placement
$\begin{array}{c} 00000110 \ 20 \ 11 \ 319 \ 8D \ 02 \ 8D \ 30 \ 20 \ 13 \ 4B \ 3A \ 3E \ 30 \ 419 \ \ ED \ \ ADD \ \ \ ADD \ \ ADD \ \ ADD \ \ \ ADD \ \ ADD \ \ ADD \ \ \ ADD \ \ \ ADD \ \ \ ADD \ \ \ \ ADD \ \ \ \ \ \ ADD \ \ \ \ \ \ \ \ \ \ \ \ \ ADD \ .$	
V=101 X=0	STANDALONE WRITER



#### **19. Reset Firmware Operation**

Elle         Device         Operation         Help         About           Auto         Blank         User Manual         Verify         Smart Option           D/MyData/kfm/hex/kfi         Check New Version Read Hardware ID         Check New Version Read License ID         n         Chip Name : [TM57ME15]           00000000 29 18 86 000000020 09 17 1E 00000030 1B 30 A1         Reset Writer F/W Writer Simple Test         0A 05 19 21 02 03 16 07 j 1 00 24 08 83 00 25 08 .0j \$.f. %.         P	
Auto         Blank (         User Manual         Verify         Smart Option           D:\MyData\kambda <kambda<kambda< td="">         Check New Version Read Hardware ID         n         Chip Name :         IM57ME15           00000000 21 30 0C 00000010 9F 18 8E 00000020 09 17 1E 00000030 1B 30 A1         Reset Writer F/W Writer Simple Test         0 24 08 83 00 25 08 .0j.         0 24 08 83 00 25 08 .0j.        </kambda<kambda<>	
D\MyData\u03c4min         Check New Version Read Hardware ID 00000000 21 30 0C         Check New Version Read Hardware ID Read License ID         n         Chip Name :         TM57ME15           00000000 21 30 0C 00000010 9F 18 8E         Reset Writer F/W 00000020 09 17 1E         8 A5 00 03 08 A4 00 \u03c7	
Read Hardware ID         Read Hardware ID           00000000 21 30 0C         Read License ID           18 D5 18 BE 18 B3 18 ! 0.0, ĩ, ĩ, č, ½, °.           00000000 9F 18 8E           00000020 09 17 1E           00000030 1B 30 A1           Writer Simple Test           00 24 08 83 00 25 08 .0j\$, f, %.	
00000000         21         30         0C         Read License ID         18         D5         18         BE         18         10.0.1.1.1.C.%.*            00000010         9F         18         8E         Reset Writer F/W         18         A5         00         30         8A         40         Ÿ.Ž¥×.         ×           00000020         09         17         1E         Reset Writer F/W         0A         05         19         21         02         3         16        07i          ×           00000030         1B         30         A1         Writer Simple Test         00         24         08         83         00         25         08         .0i          \$.f. %.	
00000010         9F         18         8E         18         A5         00         30         8A         40         Y. Z.         ×.         ×.           00000020         09         17         1E         Reset Writer F/W         0A         05         19         21         02         03         16          07         j          N           00000030         1B         30         A1         Writer Simple Test         00         24         08         83         00         25         08         .0j          \$.f.         %	
00000020 09 17 1E Keset Wite 17W DA 05 19 21 02 03 16 07ii	
00000030 1B 30 A1 write single resc 00 24 08 83 00 25 08 .0j\$.f.%	
00000040 60 00 AE 000000 mp 9 05 1E 99 19 06 1E . « C	
00000060 88 12 08 13 00 19 02 1E 10 19 88 00 37 19 81 00	
	_
00000090 A0 0A 20 06 02 20 0D TE A7 00 60 16 50 30 57 30 ; 8	
	_
	. E
	1
	1
	Ē
00000100 3E 30 14 19 2B 02 03 16 86 30 8F 30 20 17 8C 30 >0+0E0.00	
00000110 20 11 03 19 8D 02 8D 30 20 13 AB 0A 3E 30 14 19 E. EO >0.	-
00000120 0D 02 03 16 9B 30 20 17 99 30 20 11 02 19 8D 02>0 . T0 E. 🛛 🔭 🗍 🚕 🖡 🗍 🖓	14
00000130 9A 30 20 13 3E 30 AC 0A 14 19 2C 02 03 16 3E 30 š0 . >0¬,>0	100
00000140 AC 01 8D 03 05 19 0D 02 03 14 3E 30 60 10 E0 12 ¬. ⊏ >0`.à.	
00000150 A0 12 8D 01 3E 30 20 19 84 00 80 01 04 08 4F 1D . C. >0C.	
00000160 83 14 40 00 84 0A AD 30 FF 3F FF 3F FF 3F FF 3F <i>F</i> , €⟩ <sub>n</sub> 0.?.?.?.?	
00000170 FF 3F . ?. ?. ?. ?. ?. ?. ?. ? ?.	
X=187 Y=29 USB STANDALONE WRITE	R

Step 1: Select Help -> Reset Writer F/W ->TWR98 or TWR99

Step 2: Click on OK, reset firmware successfully





# **20.** Writer Simple Test Operation

Step 1: Select Help -> Writer Simple Test (Please remove the program port cable and chip first) Or Writer Test function

New_USBWriter_TM57ME15		
File Device Operation Help About		
Auto Blank User Manual Venify	Smart Option Fu:	
Check New Version	Chip Name :	
Read Hardware ID		
Read License ID		
Reset Writer F/W		
Update Chip		
	Ch	ecksum
		,
New_USBWriter		
The Device Operation Telp About		·
Auto Blank check Frogram Venfy	(Writer Test) Smart Option	
	Chip Name :	
	Ch	seksum

Step 2: Click on OK, writer simple test complete

<mark>4&gt;</mark> New_USBWriter					
Eile Device Operation Help About					
Auto Blank check Prog	ram Verify		Smart Option	- Fuse	
		Chip Name :			
DAC Board Voltage Test DAC_VPP Voltage DAC_WVDD Voltage DAC_RVDD Voltage DAC_BAK Voltage	Ok Ok Ok Ok				
Program Voltage Board Test P VPP=GND Test P VDD=GND Test P VPP=Low Test P VPP=High Test P VPP=High Test P_VDD=High Test	Ok Ok Ok Ok Ok Ok	Message		Checksum Pin Placen	nent
Program Option Buffer Test Option Buffer Program Data Buffer Test Data Buffer	OK OK	( <u>確定</u> )			
Firmware Download Test Download Firmware	OK				
				USB STANDALON	



# 21. Software Plugin Operation

Step 1: Select Help -> Update Chip

New_USBWriter_TM57ME15	
File Device Operation Help About	
File Device Operation       Help About         Auto       Blank         Check New Version       Check New Version         Read Hardware ID       Read License ID         Reset Writer F/W       Writer Simple Test         Update Chip       Update Chip	a Fuse Checksum OF50 Program Pin Placement
X=137 Y=0	USB STANDALONE WRITER

# Step 2: Select plugin file.zip

Anew_USBWriter_TM57ME15	
Ele Device Operation Help About	
Auto Blank check Program Verify Smart Option Fuse Chip Name : TM57ME15	
開啓 ? ╳	
搜尋位置①: 🞯 桌面 🔽 🗢 🚞 📸 📰 -	
<ul> <li>□ 跳線板,封裝</li> <li>□ 對外軟體</li> <li>□ 」燒錄 test</li> <li>□ 燒錄檔案產生</li> <li>□ 轉檔參數</li> <li>【</li> <li>▲ 体案名稱(10): ChipList(20161215).zip</li> <li>開啓(2)</li> </ul>	OF50
檔案類型(I):  Update Zip Files (*.zip)	
X=124 Y=1	USB STANDALONE WRITER



Step 3: Click on OK, software update successfully

A New_USBWriter_TM57ME15	×
Eile Device Operation Help About	
Auto Blank check Program Verify Smart Option	Fuse
New USBWriter	Chaskey OF50
	Checksun jor 56
Update chip success !	Program Pin Placement
	r iogram r in r iacement
(確定)	
X=139 Y=0	USB STANDALONE WRITER