

Operation Manual of OMWRITER for GBIC/SFP Test Board - T5001

Version	Data	Version description	Author
V1.0	2006.7.15	New	Kelly

Chengdu Instelent Technology Co.
©2006

1 How to install the OMWRITER?

We strongly recommend that you comply with the following steps; otherwise OMWRITER will be unlikely to operating normally. In the steps, we usually use the left key of mouse. When using the right key, the special note will be given.

1. Place the CD to the CD-ROM, double-click the CD sign.
2. Double-click the *CP210x_VCP_Win2K_XP.exe*.
3. Single-click *Next* button, then come into the *License Agreement* dialog box, you should choose *I accept the terms of the license agreement*, and then single-click *Next* button.
4. You enter the install directory dialog box; we recommend that you use the default directory: *C:\SiLabs\MCU\CP210x_2*, then single-click *Next* button.
5. Then you enter the ready install dialog box, single-click the *Install* button.
6. Then the software is installed automatically. When installation achieved, the installation accomplishment dialog box comes forth, then single-click *Finish* button.
7. Double-click the CD sign again, and double-click the *Setup.exe*, the emerging dialog box is as follows (Figure 1):



Figure 1

8. In the OMWRITER dialog box (Figure 2), we recommend that you use the

default installation directory. Then single-click *Next* button.

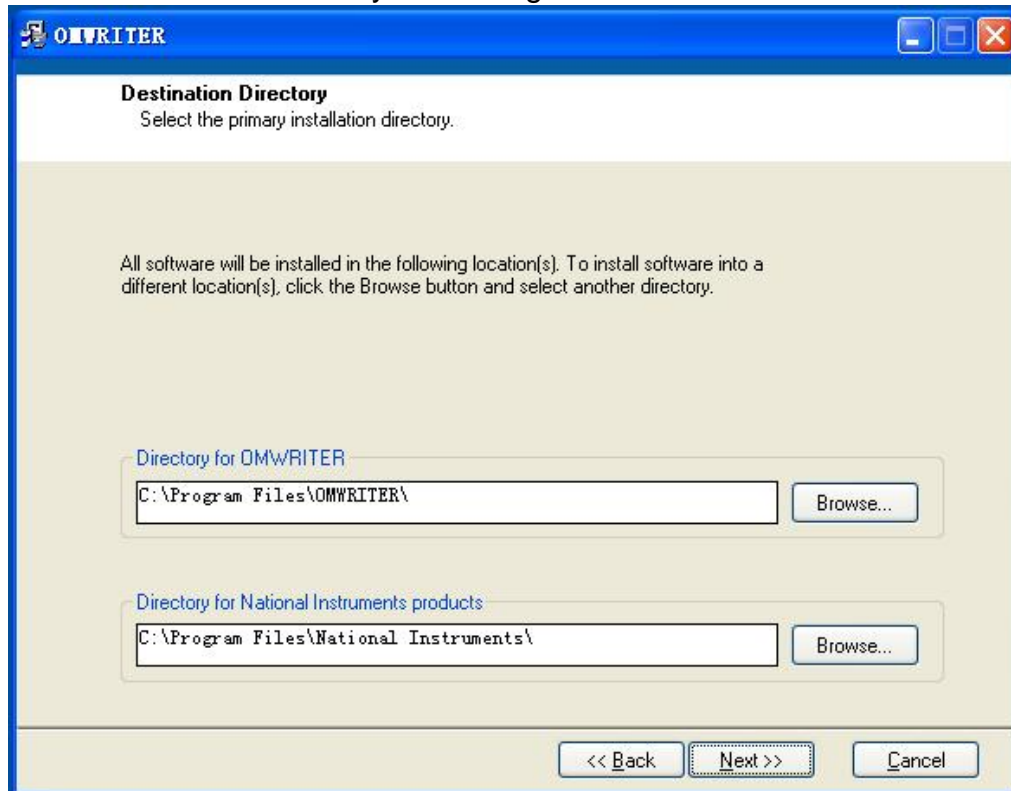


Figure 2

9. Then come into the *License Agreement* dialog box (Figure 3), you should choose *I accept the terms of the license agreement*, and then single-click *Next* button.

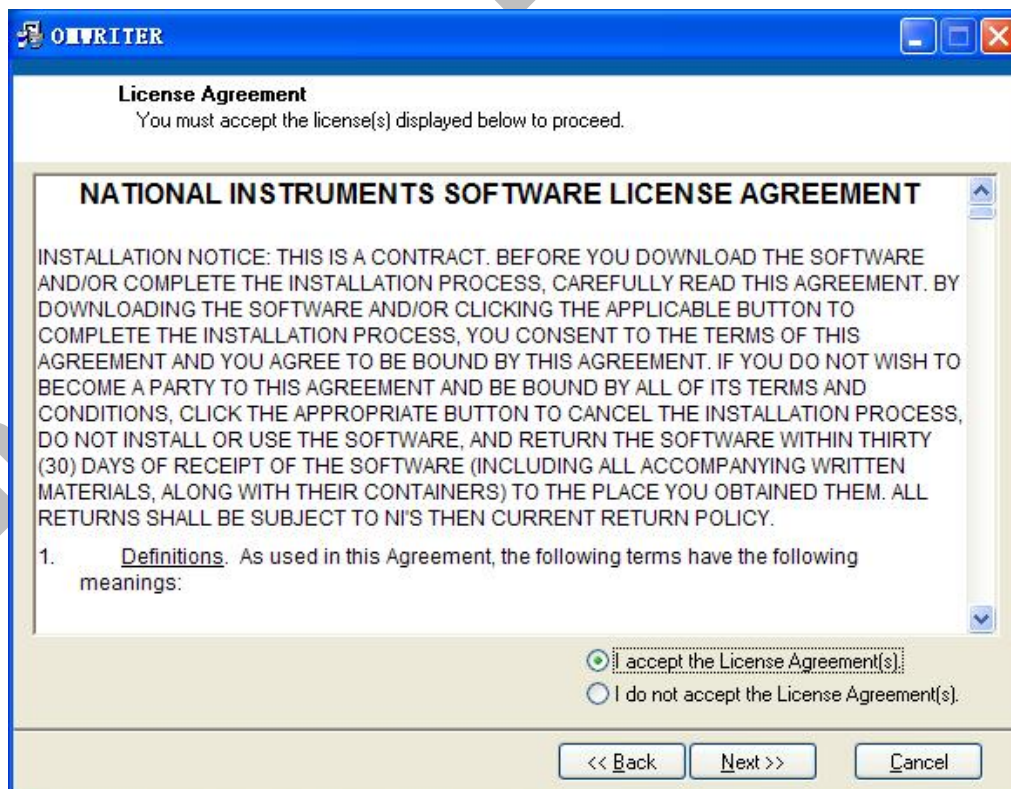


Figure 3

10. Then in the emerging dialog box, single-click *Next* button, and software will be installed automatically.
11. When installation has achieved, the software operation interface appears, shut it.
12. Here the following dialog box appears (Figure 4), choose the *Restart* button.



Figure 4

13. When the PC has started, connect the T5001 test board and PC via USB, then open the power switch on T5001.
14. Then the new hardware guide dialog box appears, you should choose *from list or appointed directory install (Advanced)*, and single-click *Next* button.
15. Then enter the find new hardware guide dialog box, you should choose *Including the location while searching (O)* firstly, then click the *Browse* button and select the directory as follows: *C:\SiLabs\MCU\CP210x\Win2K_XP*. At last single-click *Next* button.
16. Then the operating system installs the driver of new hardware automatically, after that, single-click *Finish* button in the emerging dialog box.
17. If the emerging dialog box is still new hardware guide dialog box, you should repeat the 14~16 steps until taskbar appears the float bar of *New hardware has installed successfully*.

Here, the OMWRITER has installed completely.

2 How to use OMWRITER?

2.1 Software interface introduction

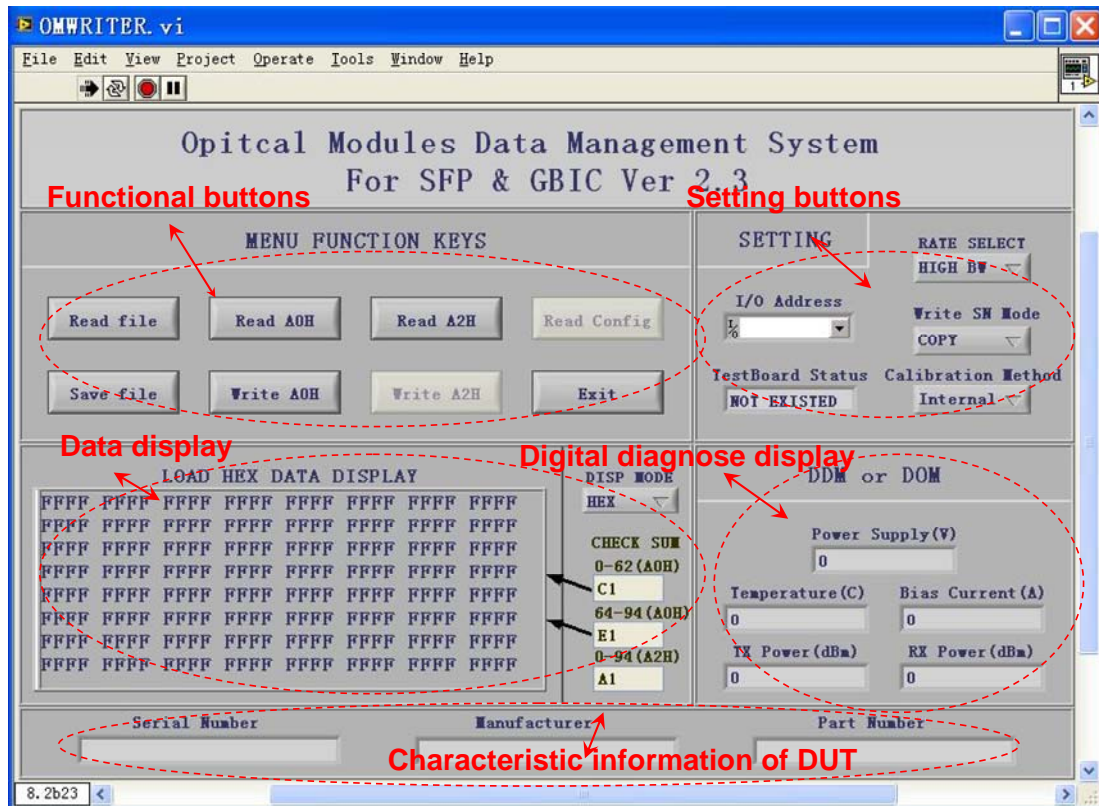


图5

2.2 Functional buttons

Read file: Read source file in the appointed directory, and display it in the data display field.

Save file: Save file displayed in the data display field to the appointed directory and file name.

Read A0H: Read data in the A0H register of optical module.

Write A0H: Write data to the A0H register of optical module.

Read A2H: Read data in the A2H register of optical module.

Exit: Exit OMWRITER.

2.3 Setting buttons

I/O Address: It has COM1/COM2/COM*/LPT1/Refresh options.

Test Board Status: Existed indicates that DUT module has been found. NOT Existed indicates that DUT module has not been found.

RATE SELECT: It has HIGH BW and LOW BW options, which are correspond to the rate pin of SFP module.

Write SN Mode: It has COPY/INC/DEC options. INC indicates that SN is increased by 1; DEC indicates that SN is decreased by 1.

Calibration Method: It has Internal and External options. Internal indicates that the digital diagnoses data will be shown in data display field directly. Whereas external indicates that the digital diagnoses data will be modified before showing in data display field.

Note: When you has inserted the DUT module, choose the COM* which just locates on the LPT1, at this time test board makes a sound and test board status appears Existed; While choosing other I/O addresses, a dialog box comes forth to ask for affirming the hardware link, and test board status appears NOT Existed.

2.4 Digital diagnose display

This area display the optical module's digital diagnoses information directly, such as Power Supply (Unit is V), Temperature (Unit is °C), Bias Current (Unit is A), TX Power (Unit is dBm), and RX Power (Unit is dBm).

2.5 Characteristic information display

This area displays the optical module's characteristic information directly, such as Serial Number, Manufacturer, and Part Number.

2.6 Data display

It displays the read/write data in current operation, whose format has two options: Hex and ASCII.

The black panes on the right side are check sums, which give facilities to observe whether these read/write data are correct. The check sum for address from 0 to 62 of A0H register places in the first pane; the check sum for address from 64 to 94 of A0H register places in the second pane; the check sum for address from 0 to 94 of A2H places in the third pane.

Note: If you have any question, please contact INSTELEN.

Chengdu Instelent Technology Co., Ltd.

**Add: Room 513, Information Industry Building, No.159, 1st Eastern
Section of Yihuan Road, Chengdu, Sichuan, China**

Tel: 028-83206787 Fax: 028-83206757

WWW.INSTELENT.COM