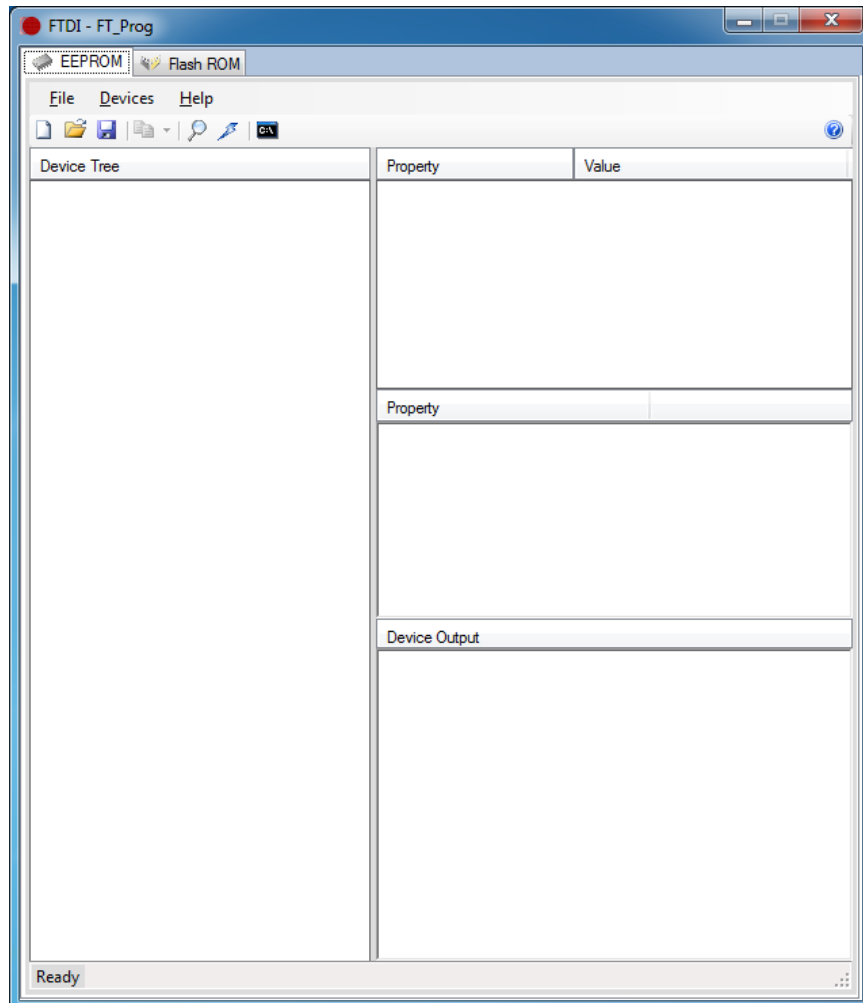


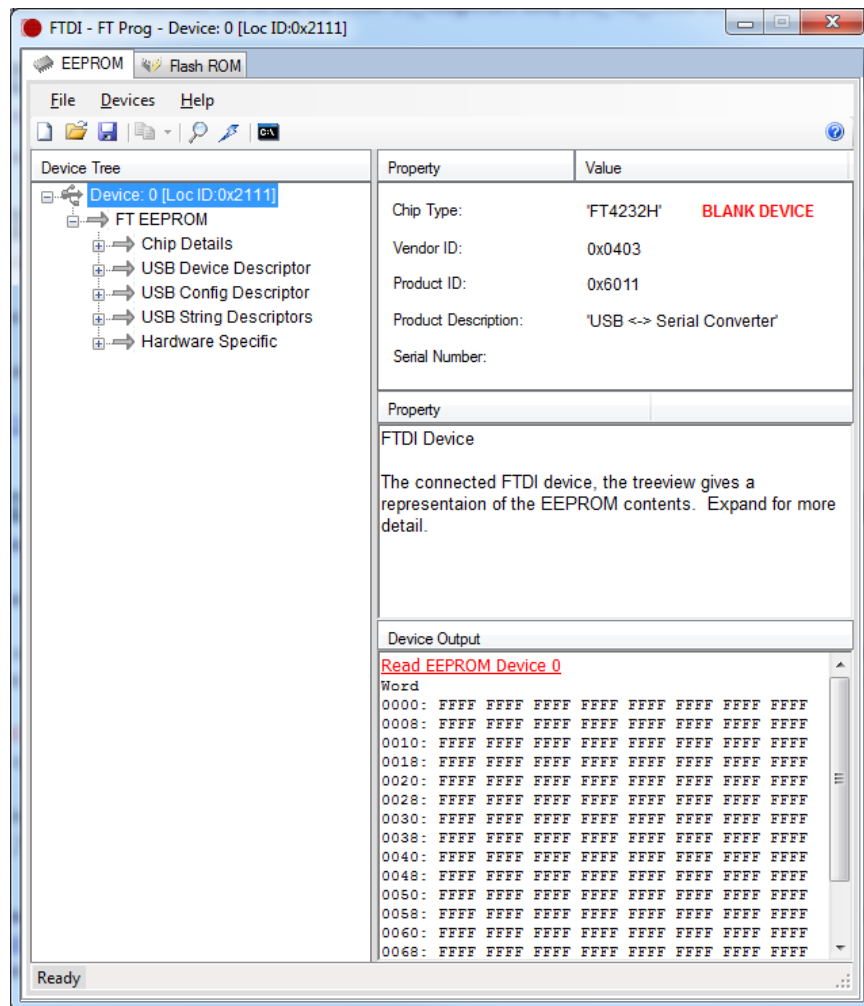
M2S150 ADV DEV KIT

EEPROM Programming Procedure

1. Install drivers from the *CDM v2.10.00 WHQL Certified Rev1* folder.
2. Install FT_PROG from the *FT_Prog_v2.8.2.0* folder.
For additional help: <http://www.ftdichip.com/Support/Utilities.htm> (Search for FT_PROG).
3. Connect USB cable (mini USB to Type A USB cable) to J33 and other end connect it to USB port of test PC.
4. Run FT_PROG. Window will open as shown below.

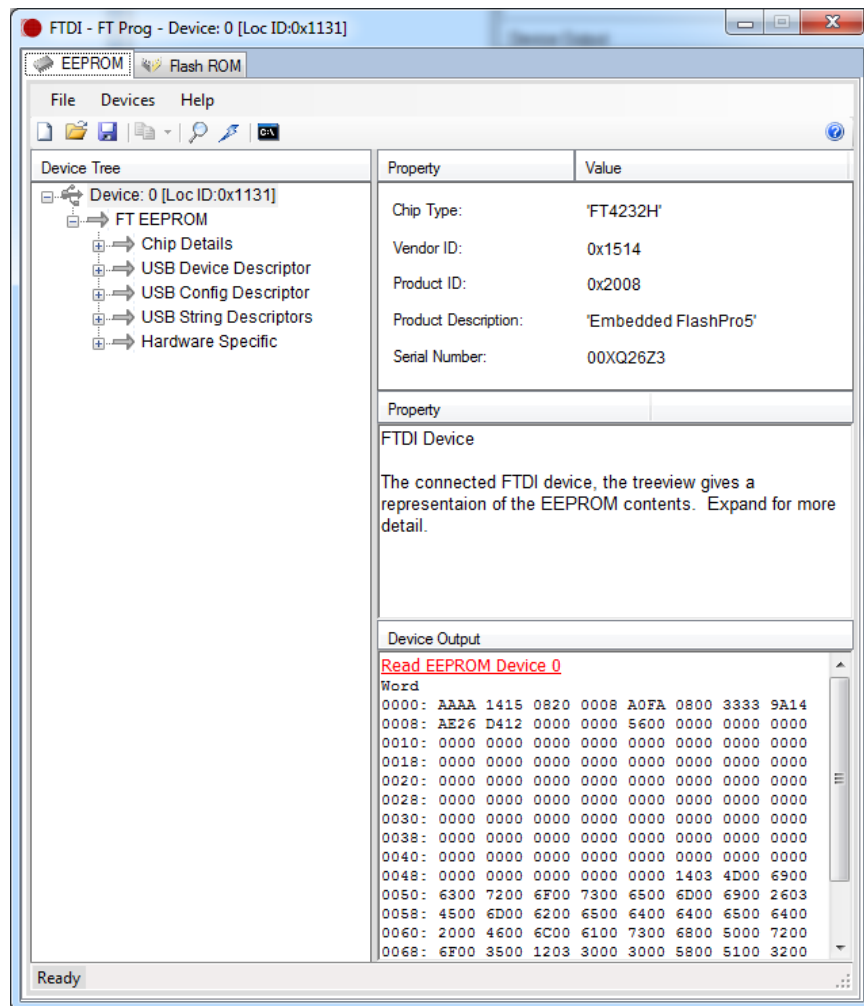


5. Hit **F5** key to run “**Scan and Parse**” command. Below window will appear:

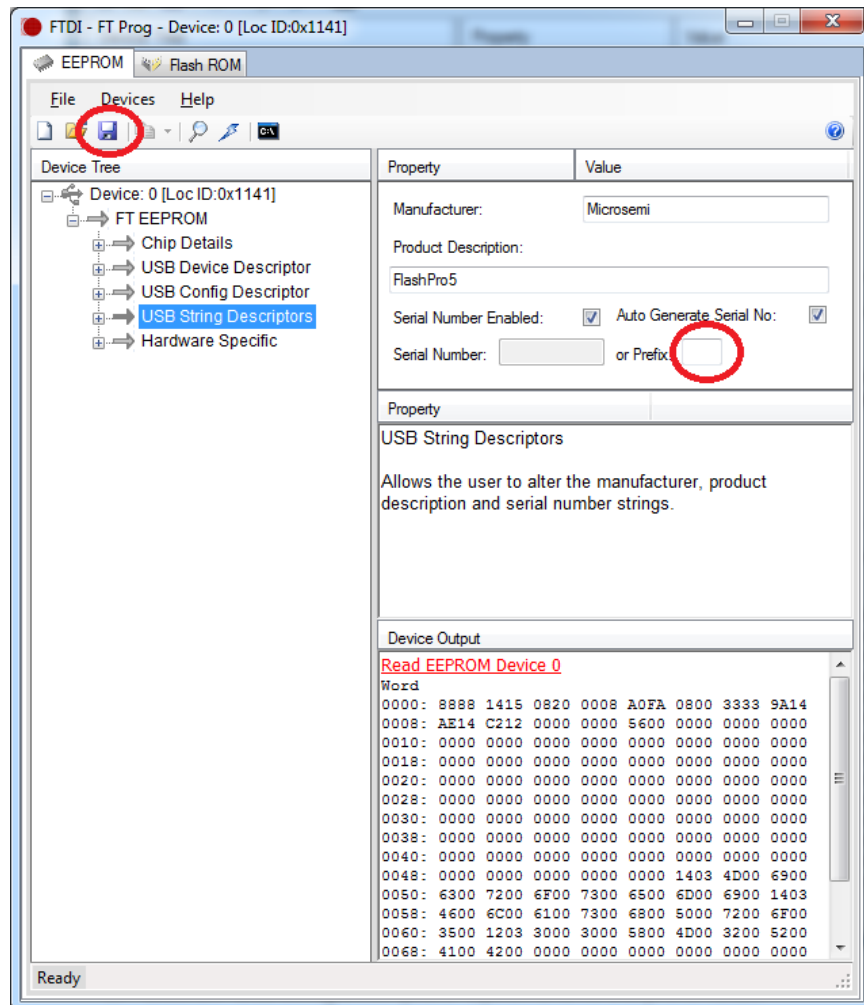


6. Right click on “**Device: 0**” on the left window.
7. Select “**Apply Template**” then “**From File**”.
8. Select “**EmbeddedFp5_Rev1_150kit.xml**”. This file will be provided in the Programming Procedures folder.

9. After selecting “**EmbeddedFp5_Rev1_150kit.xml**” below window will open.

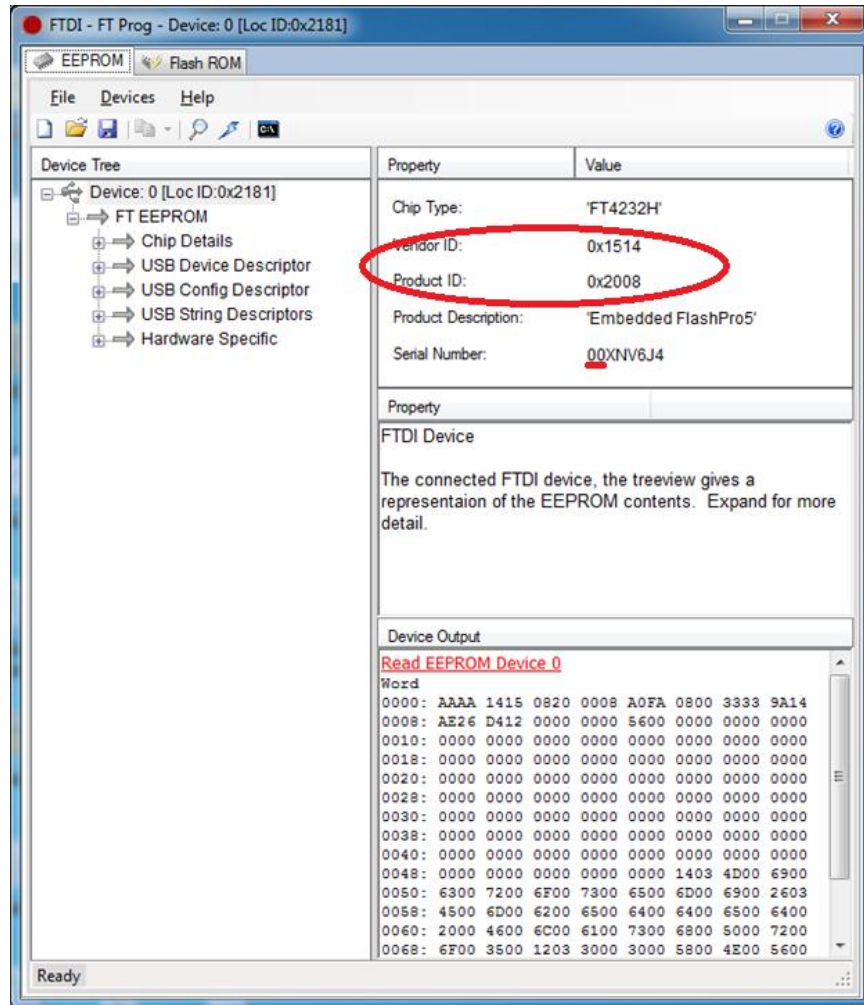


10. Click on “USB String Descriptors” option and fill in 00 for the prefix value if it is not so already.
Note: By default, the prefix value is set to 00 in the template.



11. After setting the prefix value save the template on test PC by pressing save button on utility (e.g.:- EmbeddedFp5_Rev1_150kit.xml _Prefix_XX).
12. Again right click on “Device: 0” on the left window.
13. Select “Apply Template” then “From File”.
14. Browse on test PC and Select “EmbeddedFp5_Rev1_150kit.xml _Prefix_XX”. This file is with updated Prefix value.
15. Right click again on “Device: 0”
16. Select “Program Device”

17. Verify that the following:
- Product description should be Embedded FlashPro5.
 - Vendor ID should be 0x1514
 - Product ID should be 0x2008
 - Serial Number first two digits/characters should be same as prefix provided by Microsemi.



18. The board must be power-cycled and jumpers must be set according to the following chart before Libero will recognize the programmer.

J121	J124	J125	J32	
X	X	X	L	IAR Debugging
X	L	X	H	FP4 JTAG programming
H	H	X	H	FTDI JTAG programming (Embedded FlashPro5 programming)
L	X	X	H	FTDI SPI slave programming
X	X	L	X	FTDI SPI-0 Programming
X	X	H	X	FTDI SPI-1 Programming