

Write EEPROM 3.0 User Guide

1. Click the Write EEPROM 3.0.exe, you could see the interface as below.

I2C Rate 50Kbps Wite PassWord(HEX) I2C Rate 50Kbps Wite PassWord(HEX) I2CAddress: 00 DataAddress: 00 PassWord: 00 ^C MCU Any ^C MCU Any ^C Auto Sum Save PassWord(HEX) 12CAddress: 00 PassWord: 00 ^C MCU Any ^C Auto Sum Save PassWord(HEX) 12CAddress: 00 PassWord: 00 ^O Auto Sum ^O Auto Sum Save PassWord(HEX) 12CAddress: 00 PassWord: 00 ^O Auto Sum ^O O O O O O O O O O O O O O O	无标题 - ▼rite Eeprom 2011 ile(F) View(V) Help(H)		
WAUG Sum 12CAddress: 00 DataAddress: 00 PassWord: 00 00 01 02 03 04 05 06 07 08 09 0A 08 0C 0D 00 12CAddress: 00 PassWord: 00 000 01 02 03 04 05 06 07 08 09 0A 08 0C 0D 0 00 12C Addr(hex): 00 12C Addr(hex): A0 00 00 00 01 02 01 01 00 01 00<	I2C Rate 50Kbps • • Eeprom PageSize 8Bytes •	Write PassWord(HEX) DataAddress: 00 PassWord: 00 I2CAddress: 00 DataAddress: 00 PassWord: 00 Save PassWord(HEX)	
0000 FF	Auto Sum	I2CAddress: UU DataAddress: 00 Passvord: 0 OA 08 0C 0D 0E 0F FF FF FF FF FF FF I2C Addr(hex): FF FF FF FF FF	
0000 FF	2020 FF FF FF FF FF FF FF FF FF FF 1030 FF FF FF FF FF FF FF FF FF FF 1040 FF FF FF FF FF FF FF FF FF FF 1050 FF FF FF FF FF FF FF FF FF FF 1060 FF	FF FF FF FF FF FF Start Adddr.(hex) FF FF FF FF FF FF C EndAddr(hex): FF FF FF FF FF FF C Lenght/(Dec):	00 FF
0000 FF FF FF FF FF FF FF Start Adddr:	0070 FF FF FF FF FF FF FF FF FF FF 0080 FF FF 0090 FF FF 0040 FF FF 0040 FF FF FF FF FF FF FF FF FF FF 0050 FF	FF FF FF FF FF	Verify
CheckSum:	000 FF FF FF FF FF FF FF FF FF 10E0 FF FF FF FF FF FF FF FF 10E0 FF FF FF FF FF FF FF FF FF FF 10F0 FF	FF FF FF FF FF FF FF FF FF FF FF FF FF FF	CAL

2. Read the code

Plug the SFP (SFP+/XFP/QSFP QSFP28) into the program board, select the correct modules like below (Please note that when you operate QSFP+ /QSFP28, select "MCU XFP").

• Eeprom Pa	geSize 8Bytes 💌	-
C MCU	Any 🔹	Save
Auto Sum	Any Mcu SFP/SFP+ Mcu XFP	120A
DOO FF FF FF	Mcu X2/Xenpak	F FF FF
20 FF FF FF	FF FF FF FF FF FF FF	F FF FF



Click "Read", then you could see the codes in the left area as the following:

】无标题 - ♥rite Eeprom 2011 ile(F) View(V) Help(H)	Read data
📾 🖬 🖓 🖓 🖓 🖓	
I2C Rate 50Kbps	Write PassWord(HEX) I2CAddress: 00 DataAddress: 00 PassWord: 00
C MCU Any ▼	Save PassWord(HEX) I2CAddress: 00 PassWord: 00
00 01 02 03 04 05 06 07 08 09 0000 03 04 07 00 00 01 00 00 01 00	0A 0B 0C 0D 0E 0F 00 00 01 0D 00 00 00 20 20 20 20 20 20 7A0 32 D 53 58 2D 4D GLC-SX-M 20 20 03 52 00 46 M-A0 20 20 00 00 00 4 20 20 20 20 20 20 20 20 00 00 00 4 120517 00 00 CE 25 D7 35 .81 FF FF FF FF FF FF FF FF CheckSum Cal (hex) CAL FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF CheckSum Cal (hex) CAL EndAddr: CAL
adv	





3. Select the codes

Click or select menu "File-open data file" to choose the code you want to write.

Please note: this software could only code one pcs of module at a time. See below, we select SFP code named 1234.bin.

a (F) View (V) Help (7)		
I2C Rate 56Kbps ▼	Write PassWord(HEX) I2CAddress: 00 DataAddress: 00	PassWord: 00
C MCU Any ▼ Auto Sum	Save PassWord(HEX) I2CAddress: 00 DataAddress: 00	PassWord: 00
00 01 02 03 04 05 06 07 08 09 000 03 04 07 00 00 01 00<	0A 0B 0C 0D 0E 0F 00 01 0D 00 00 00 20 20 20 20 20 20 3 2D 53 58 20 4D 20 20 03 52 00 46 M-AO 20 20 00 00 00 00 20 20 03 52 00 46 M-AO 20 20 00 00 00 41 20 20 00 00 00 41 20 20 00 00 00 41 20 20 00 00 00 41 20 20 00 00 00 41 20 20 00 00 00 41 20 20 00 00 00 41 20 20 00 00 00 41 20 20 00 00 00 00 41 20 20 00 00 00 00 00 00 00 00 00 00 00 0	Static I2C Addr(hex): A0 Start Adddr:(hex) 00 © EndAddr(hex): FF © Lenght(Dec): 256 Read Write Verify CheckSum Cal (hex) Start Adddr: CAL EndAddr: CAL

4. Write Code

After you select the code, click "Write" to write the codes, see the above picture, when "Ready" become "Writeok", it means write code successfully.

	00	01	02	03	04	05	06	07	80	09	0A	0B	0C	0D	0E	OF	
0000	03	04	07	00	00	00	01	00	00	00	00	01	OD	00	00	0.0	
0010	37	1B	00	00	41	4F	20	20	20	20	20	20	20	20	20	20	7AO
0020	20	20	20	20	00	00	00	00	47	4C	43	2D	53	58	2D	4D	GLC-SX-M
0030	4D	2D	41	4F	20	20	20	20	20	20	20	20	03	52	00	46	M-AO .R.F
0040	00	1A	00	00	31	32	33	34	20	20	20	20	20	20	20	20	1234
0050	20	20	20	20	31	32	30	35	31	37	20	20	00	00	00	D4	120517
0060	00	00	80	C9	87	58	63	42	4A	28	0B	1A	45	42	84	OF	XcBJ(EB
0070	A7	38	7C	00	00	00	00	00	00	00	00	00	CE	25	D7	35	.8
0800	FF																
0090	FF																
00A00	FF																
00B0	FF																
0000	FF																
OODO	FF																
00E0	FF																
00.00	FF																



5. Verify the Codes

After write the codes, you could read the code again, and Click "Verify" to compare the data. When are the same, it will shows:

0C	OD	0E	معا	1
OD	00	00	Vritellen 🗙	•••
20	20	20		
53	58	2D	All Data is same	-M
03	52	00		. F
20	20	20	确定	
00	00	00		• •
45	42	84	UFXCBJ (E	3
CF	25	D7	35 81 5	5

6. Read SFP+ A2H

Change "I2C Address" A0 to A2, and Click "read"

See below

Static			Static	
I2C Addr(hex):	A0		I2C Addr(hex):	A2
Start Adddr:(hex)	00		Start Adddr:(hex)	00
EndAddr(hex):	FF		• EndAddr(hex):	FF
C Lenght(Dec):	256		C Lenght(Dec):	256
		change to		

Please note, use this Write EEPROM 3.0 could also write SFP+ A2, it is a little bit complicated, we suggest you use Code Any Write.exe to write SFP+ A2, and use EEPROM 3.0 to read A2 and check the details.



7. Read XFP table01 (QSFP QSFP28 PAGE00)

Open the "Write EEPROM 3.0.exe", click "Read", then you will see the details of XFP A0H Table 01 code (QSFP QSFP28 A0H Page 00 code). Select "MCU XFP" like below. (Please note, when you operate QSFP+ /QSFP28, select "MCU XFP")

Eeprom Pa	geSize 8Bytes 💌	
о мси	Any 🔹	Save
Auto Sum	Any Mcu SEP/SEP+	1207
00 01 02	Mcu XFP	OA OB
10 FF FF FF	FF FF FF FF FF FF FF	FF FF
20 FF FF FF	FF FF FF FF FF FF FF	FF FF

I2C Rate	D 0.	50)Kbps	-	-W	rite CAd	Pas dres	sWo ss:	rd(HE	X) DataAddress: 00	PassWord: 00	
 Eeprom MCU Auto Su 	PageSi Any	ze 85 /	Bytes	•	-Sa I20	ive F CAd	Pas: dres	sWor ss:	HE G	() DataAddress: 00) PassWord: 00	
00 01 000 06 10 010 08 03 020 20 030 53 52 040 00 06 08 40 0060 24 00 00 06 10 0060 24 00 00 00 08 10 00	02 03 07 80 20 20 20 20 20 20 20 20 20 20 20 20 80 C0 00 00 00 00 20 20 20 20 20 20 20 20 20 20 10 B 98 00	04 05 00 00 4F 45 F9 00 20 20 00 00 B4 00 0F 23 00 00 0F 23 00 00 0F 23 00 00 0F 23 00 00 4F 45 F9 00 20 20 20 20 20 20 20 20 00 00 00 00 000000	06 07 00 00 4D 20 00 00 20 20 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 20 20 20 <	08 09 00 00 20 20 58 46 41 31 52 30 00 00 00 00 20 20 58 46 41 31 52 30 58 46 41 31 52 30 32 36 16 C3 00 00	0A 00 20 50 00 30 85 00 20 50 42 30 30 43 00	0B B0 20 2D 00 31 DA 00 20 20 20 68 33 31 48 00	0C 63 20 31 00 00 63 20 31 0F 20 08 9B 72	0D 0 6F 0 20 2 30 4 00 0 00 0 6F 0 20 2 20 2 30 4 40 4 20 2 20 2 20 0 40 0 66F 0 20 2 20 2 20 2 20 2 20 2 20 2 20 2 2	E 0F 0 00 0 20 0 20 0 00 0 00 0 00 0 20 0 2		Static A0 I2C Addr(hex): A0 Start Adddr:(hex) 00 Image: EndAddr(hex): FF Image: EndAddr(hex): FF Image: CheckSum Cal (hex) Start Adddr: Start Adddr: CAL EndAddr: CAL EndAddr: CAL	fy



8. Read XFP table02 (QSFP QSFP28 A0H Page 02 code)

Open "Write EEPROM 3.0.exe" again, write "02" to A0H table01 7F address.

	2	
I2C Rate 50Kbps -	Write PassWord(HEX) I2CAddress: 00 DataAddress: 00	PassWord: 00
C MCU Any	Save PassWord(HEX) I2CAddress: 00 DataAddress: 00	PassWord: 00
00 01 02 03 04 05 06 07 08 09 0000 FF FF	OA OB OC OD OE OF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF	Static I2C Addr(hex): A0 Start Adddr:(hex) 7F © EndAddr(hex): 7F C Lenght(Dec): 256 Read Write Verify CheckSum Cal (hex) Start Adddr: 7F
DOEO FF FF FF FF FF FF FF FF FF FF OOFO FF	· FF FF FF FF FF FF FF	EndAddr: 7F CheckSum: FF

Click "**write**" (Don't plug out the XFP/QSFP module), after that, the Write EEPROM 3.0.exe will read the table02 defautly and then it will show up the interface like below.

Static	
I2C Addr(hex):	A0
Start Adddr:(hex)	00
EndAddr(hex):	FF
C Lenght(Dec):	256



Click "**Read**", then it will shows the XFP table 02 (QSFP QSFP28 A0H Page 02). See below example.

DA 🖪	M			ND.	A	RO	A	ş									
I2C Rate	m F	age	Size	5	0Kb Byte	ps es	•	-] -]	-W 12	/rite CAc	Pa: dre	ssN ss:	/ord	(HE	ddress: 00	PassWord: 00	
C MCU	Sum	A	ny				•	-	Sa 12	ave I CAc	Das dre	sW ss:	ord(HE)	ddress: 00	PassWord: 00	
00 00 000 00 010 FF 020 FF 030 FF 040 00 050 80 060 12 070 00 080 57 0040 00 0050 80 000 92 0000 52 00E0 52 00E0 52 00E0 52 00E0 52 00E0 52 00E0 52	01 0 FF F FF F FF F FF F 100 0 100 000 0	2 03 F FF F FF F FF 0 00 0 00 0 00 0 00 0	04 FFF FFF 00 BC 00 00 42 56 00 1D 31 00 36 00	05 FF FF FF 00 00 00 45 30 00 30 00 30 00 30 00	06 FF FF FF FF 56 32 00 56 32 00 52 47 00 33 00	07 FF FF FF FF 00 00 00 41 20 00 41 20 00 20 30 00	08 FF FF FF 00 00 00 41 01 00 00 00 00 00 00 00 00	09 FF FF FF FF 00 00 00 42 00 00 42 00 00 86 2D 00 9F 00	0A FF FF FF 00 00 83 00 31 00 58 00 4F 00 00 00	0B FF FF 00 00 00 00 00 00 00 00 00 00 00	0C FF FF FF 00 00 00 2D 00 00 2D 00 00 31 00 00 00	0D FF FF FF 00 00 00 00 31 00 61 00 00 00 00 00	0E FF FF 00 00 92 00 39 00 70 AA 32 00 00 00	0F FF FF FF 00 00 00 88 00 88 85 00 85 23 80 00 87 00 00	L0-198 C. 'ap. +	Static I2C Addr(hex): A0 Start Adddr:(hex) 00 © EndAddr(hex): FF © Lenght(Dec): 256 Read Write Ve CheckSum Cal (hex) Start Adddr: C/ EndAddr: C/ CheckSum:	erify