

FM-WR-V8 Programming Box User Guide

Prepare by Joslyn Date 2023-12-13 Review by Bergen

Shenzhen FiberMall Co., Ltd.



Content

- 1. EEPROM Programmer Board Function Introduction
- 2.Connection & installation instructions
- 3.SFP/SFP+/SFP28/Optical Transceivers/DAC/AOC

Code Reading/Code Saving/Code Writing

- 1.Read Code A0 A2
- 2. Save Code A0 A2
- 3. Write Code A0 A2
- 4. Auto Write Code A0 A2

4.XFP Optical Transceivers Code Reading/Code Saving/Code Writing

- 1. Read Code Table01 Table02
- 2. Save Code Table01 Table02
- 3. Write Code Table01 Table02
- 4. Auto Write Code Table01 Table02

5.QSFP+/QSFP28/QSFP56 Optical Transceivers/DAC/AOC Code Reading/Code Saving/Code Writing

- 1. Read Code Page00 Page02
- 2. Save Code Page00 Page02
- 3. Write Code Page00 Page02
- 4. Auto Write Code Page00 Page02

6.QSFP-DD Optical Transceivers Code Reading / Code Saving /Code Writing

- 1. Read Code Table00 Table02
- 2. Save Code Table00 Table02
- 3. Write Code Table00 Table02
- 4. Auto Write Cod Table00 Table02

7. Custom Passwords with Configuration File

1.EEPROM Programmer Board/Box Function Introduction

• SFP/SFP+/SFP28 Transceivers/DAC/AOC Code Reading/ Code Saving/ Code Writing

- XFP Transceivers Code Reading/Code Saving/Code Writing
- QSFP+/QSFP28/QSFP56 Transceivers/DAC/AOC Code Reading/ Code Saving/ Code Writing

Rev 1.1

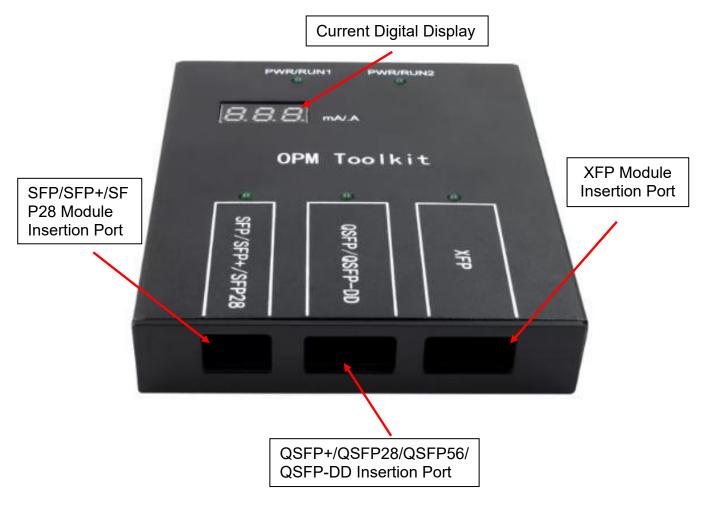
- QSFP-DD Transceivers Code Reading/Code Saving/Code Writing
- Import and Export of 128/256/384 Bin Files

Application Environment

• W7/W10/W11 operating system



Function Guid



P 👞 🤊



1. Other Accessories



Figure 1

2. Connection & installation instructions

1.Connect the program board to the computer with the USB cables(Figure 1), insert the other USB plug into the AC power supply.

2.Insert the optical module to be operated into the corresponding port of the Programming Box V2.

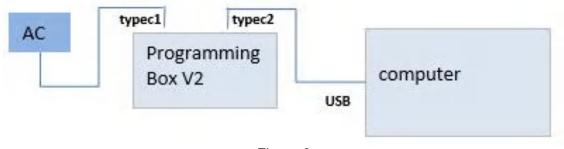


Figure 2

3.Click to open the software page (Figure 3), then click "Scan & Connecting" to display the interface after the software and hardware are connected (Figure 4). For a detailed introduction to each functional area of the software, refer to the image below (Figure 5).

M Programming Box V2-20231213 2024-02-27 9:41 应用程序 67,538 KB

Figure 3



							1 11 11 12 12				-
M Test Application System											口 中文&Eng
		TestSystem									1 2000113
					_						
Scan&Connecting	1 .					(
		SFP Co	oding	XFP Cod	ling	Q	SFP Coding	J	QSFP-DD Cod	ing	
SerialPort											
2 Scan SerialPort	1	Device List	V	ersion List							
#1 COM1 通信端口(COM1)	Connected	#1 Port:通信端口(CO	M1) 61	DevType: 0					Ver:		
#2 COM3 USB-SERIAL CH340 (COM3)	Disconnect	rort.)通信3雨口(Cu	MI/JIOT.	Deviype.					ver.	~	
84	Connecting	Port:USB-SERIAL C	H340 (COM3)Sla	ot:0-0DevType: 1003	SFP-	KFP-QSFP	Board	Ver:	3.1 Dec 4 2023 10:0	0:53 🛛 Upe	prade
*5	Connecting										
LDG	Contract of the										
Scan Serport:通信端口 (COM1)											
Scan Serport: USB-SERIAL CH340 (COM3)											
Scan Serport: 通信端口(COM1) Scan Serport: USB-SERIAL CH340(COM3) Get information0											
Get information1											
SerPort通信端口 (COM1)Null Get information0											
Success. SerportUSB-SERIAL CH340 (COM3)Connected:	1003										
Scan OverNone											
ateTime: 2024-05-13 17:26:02 星期—											
				Figure 4	1						
				rigare							
SFP Coding										-	
estSystem:	100										
Read/write code platform Re	fresh 📃	• II									!!
024 05 13 17 30 22	87mA	-		read sfp	384Bytes		3				Ц.
IFP:ID=1	ord Definition() (III)	2	_	-			_	•			
Patron	and the local division of the local division			- 00 00	10	11	N) Fassword			7	
		stive	V				_	-			
	nport BinFile 4		5	Export BinFile	6 One	Shot	Non-Increas	ing	Inceaseing+1	Batch Binl	File
OFM VR/RD Bate	gressi	To Yeader Inf	enstim		RegList			-			-
5 ~ 34	•	Wandor:	OEM		EINV	161					
Rod Size	Wr A0:0-127	Cont (Max)	00051E	9		ni ni 14		00 01		# # ASCII	- 1
88ytes	Fait 100 2 ms	E 18	SFP-10G-		10 00 11	00 00 40	41 42 20	20 25	20 20 20 20	20 20 (Max	
O 128Bytes	Wr A0:128-255	~ >	A			20 20 00 20 41 20		13 46 41 20			p== 4==
0	- A	ALL Pass	ASTF1906	270057		19 41 10 00 00 41		41 20		00 FC LIN-8 -	
Deck SEP-state.	Vait 100 Cas		190627			20 20 31		35 37	20 20 68 90	13 61 57 1996	
Good Svery opm information_0	Wr A2:Page1	Date. Besie Info	Second and division		≈ 41 48 ⊠ 40:11	42 34 22 8°255	37 20 31	41 33	44 5a 20 42	12 21 APCT-701	A
ok	Valt 100 🗘 +5		03-SFP		40 81	R 85 14	10 10 10	94 až	00 30 85 60	e e Asce	~
8		Identifier	how we have a second se		m 19 11	11 17 11	11 11 11	FT 12	11 11 11 11	17 18 20152222	
	PowerDown	Connector.	07-LC	w 5	100 88 89	17 33 35	11 12 12	77 27	17 17 17 17	FF FF 112222357	2.000

Figure 5

٦.

Rev 1.1

**

00 10

.

86 00 30 21 00 20 01

06

10300

10

0

0

0

0

. 00

10000

Incoding

Ditrate (10

Langel-ORI

Longth-SRI

Leagth-OK

Langsh-ORI

Length-Co

Logth-00

Vare(an) 310

P •

Fait 100 2 mi

PowerUP

ait 500 0 ...

Rd A0:0-127

Rd A0:128-255

Rd A2:Page0

11 = 17

3

aukieriuj-

XPERFERIES-

ASCII

1-00101 #1

**

-104-8

17 17 11 11 11 101105105-

22 28 22 contation

00 -

00

00



- 1. Password Add/Modify Section
- 2. Password Selection Section
- 3. Password Checkbox(Yes/No)
- 4. Import Software for 128/256/384 bin Bytes
- 5. Export to Computer for 128/256/384 bin Bytes
- 6. Single Code Writing
- 7. Batch Code Writing
- 8. Code Writing Rate and Other Settings Section (Default)
- 9. Code Information Section

3. SFP/SFP+/SFP28 Optical Transceivers/DAC/AOC Code Reading/Code Saving/Code Writing

1.Read Code A0 A2

- 1.1Insert the SFP optical module to be read into the SFP/SFP+/SFP28 socket,
- 1.2 Open the "Programming Box V2-20231213" software(Figure 6).
- 1.3 Click "Scan&Connecting" (Figure 7-1)
- 1.4 Click "SFP-Coding" (Figure7-2)

1.5 Click"Refresh"(Figure 8-1) to read A0 and A2 (Figure 8-2) shows A0, (Figure 8-3) shows A2.

M Programming Box V2-	20231213	2024-02-27	9:41 应用程序	养 67,538 KB
		Figure 6		
M Test Application System				ー ロ X 中文&English
Scan&Connecting	TestSystem 2 SFP Coding	XFP Codi	ng QSFP Coc	
2 Scan SerialPort 1	/ Device List /	Version List		
#1 COM1 通信端口 (COM1) Connected	#1 Port:通信端口 (COM1)Slot:	DevType 0		Ver:
#2 COM3 USB-SERIAL CH340 (COM3) Disconnect	#2	berrype. U		/ C1 .
#3 Connecting	Port:USB-SERIAL CH340 (COM3)	Slot:0-0DevType: 1003	SFP-XFP-QSFP Board Ve	r: 3.1 Dec 4 2023 10:00:53 Upgrade
#4 Connecting				
#5 Connecting				
LG Sean Serport: 通信講仁 (COM1) Sean Serport: USB-SERIAL CH240 (COM3) Sean Serport: USB-SERIAL CH240 (COM3) Get information0 Get information1 No ACK. SerPort通信講仁 (COM1)Null Get information0 Success. SerportUSB-SERIAL CH340 (COM3)Connected: 1003 Scan OverNone				

DateTime: 2024-05-17 15:38:00 星期五





stSysten: ead/write code platform fresh Tine: 124-05-17 16:11:46 P:ID=1	Refresh 149mA Parreord Definition(HEX):		read	sfp: 384By	/tes												
	Password List: SFP/QSFP 000010	011	~ 00	00	10		11	1		NO Pa	ssword	i .					
PM VE/RD Rate:	Coding Operation	V	SFP DUM	Export I	3inFile)	(OneSi	not	N	on-l	ncrea	sing		Inceas	eing+1	Batch BinFile
	Progress:	Vendor Infor	sation:	2 8	egList		-		_		_		_	-			
5 ~	SN: -	Vendor:	OEM			D:0 [~] 127	_		-			_	_				
lock Size:		Form			03 0		03	04 0		07	08	09 0/		0C 67	00 0		ASCII
8Bytes	Wr A0:0~127	년 OVI(Hex): 읎	00051E				20	00 0 4F 4		12	00 20	20 20		67 20	00 0. 20 2		g
128Bytes		S PN:	SFP-10G-LR-B	10			20	45 4		20 1E	20 53	46 50		31	20 2 30 4		OEM SFP-100-
	Vait 100 🗭 ns	Bev:	A	20			42	20 2		20	41	20 20		05	1E 0		LR-B A U
	(Wr A0:128~255)	1			00 1		00	41 5		46	31	39 30		32	37 3		ASTF19062700
ck SFP-state	Vait 100 Ins	< зя:	ASTF1906270057	50			20	31 3		36	32	37 20		68	F0 0		57 190627 hð a
ood ery opm information0		Date:	190627		41 4		54	2D 3		31	41	53 44		20	42 5		AFCT-701ASDZ-BR1
k	Wr A2:Page1	Basic Inform	tion	70	20 2	0 20	20	20 2	0 20	20	20	20 20	20	31	20 2	20	1
	Vait 100 🗘 ns					0:128~2	55		10110110						Len a Las		
		Identifier:	03-SFP		00 0	1 02	03	04 0	5 06	07	08	09 0/	08	0C	00 0	E OF	ASCII
		Connector:	07-LC	~ 80	FF F	F FF	FF	FF F	F FF	FF	FF	FF FF	FF	FF	FF F.	FF	****
	PowerDown	Encoding:	06	✓ 90	FF F	F FF	FF	FF F	F FF	FF	FF	FF FF	FF	FF	FF F.	FF	*****
	Vait 100 Ins	Bitrate(Mbps)	10300	AO	FF F	F FF	FF	FF F	F FF	FF	FF	FF FF	FF	FF	FF F	FF	*****
				80	FF F	F FF	FF	FF F	F FF	FF	FF	FF FF	FF	FF	FF F	FF	979797979797979797
	PowerUP	Length-SM(kn)	10	0	FF F	F FF	FF	FF F	F FF	FF	FF	FF FF	FF	FF	FF F.	FF	****
	Vait 500 🗘 ns	Length-SM(m)	10000	DO	FF F	F FF	FF	FF F	F FF	FF	FF	FF FF	FF	FF	FF F	FF	****
		Length-OM2 (n)	0	10	FF F	F FF	FF	FF F	F FF	FF	FF	FF FF	FF	FF	FF F	FF	*****
		Length-OM1 (n	0	10					_	_	_	FF FF	FF	FF	FF F.	FF	****
	(Rd A0:0~127)			3.				255 🗌 I				_					
	Rd A0:128~255	Length-Copper	- (n): O		00 0		03	04 0		07	08	09 04			00 0		ASCII
	KG AU:128~255	Length-OM3 (m	0	80	43 4		49	41 3		43		41 31		2D	32 3		COUIA75CAA10-253
	Rd A2:Page0	Wave(nm): 1	310 . 00	~ 90	31 2		31	56 3		20	01	00 46		00	00 0		1-01V01 F4
			• • • • •	A0	00 0		00	00 0		00	00	00 00		00	00 0		
				80			00 2D	00 0 31 3		00 2D	00 45	00 00 52 20		20	00 A		SFP-100-ER
				00			20	31 3		20	40	00 00		00	00 0		167
	-			00			20 28	31 3		36	00	00 00			00 0		(. 14)6
				EU	10 4			01 0			00			00	00 0		1

Figure 8

2.Save Code A0 A2

2.1 Save A0 and A2 separately

Save A0 Code

Insert the SFP optical module to be read into the SFP/SFP+/SFP28 socket,

- 2.1.1 Click "Refresh" to read A0 and A2(Figure 9-1), 2.1.2 Uncheck the box for "A2-Page0:128~255" (Figure 9-2),
- 2.1.3 Click "Export BinFile" to save A0 to the computer (Figure 9-3).



estSysten:																				_
ead/write code platform	Refresh																			
024-06-12 10:19:30	86mA			read sfp:	384By	tes														
FP:ID=1	Password Definition(HEX):																			
	Password List: SFP/QSFP 00001	011	~ 00	00	1	0		11		ЮК	Passw	ord								
	Coding Operation	V		SFP DIM	_				_				_	_						
829 379	Import BinFile		3	Export BinFile	•)		On	eSho	t	No	n-Inc	reasi	ng	In	ceas	eing	+1		Batch BinFil	le
PM WE/RD Rate:	Progress:	Vendor Infor	mation:		RegL									_						
5 ~	SN: -	Vendor Infor Vendor:	OEM	1		🗹 A0 :	0~127													_
lock Size:		Lo			0	01	02	03	04 0	5 05	07	05	09 0	A 00	0C	0D	OE	OF	ASCII	
8Bytes			00051E	_	00 00	04	07	20	00 00	00 0	12	00	01 0	0 06	67	00	0A	64	E	
		PN:	SFP-10G-LR-B		10 00		00		4F 4		20		20 21				20	20	OEM	
128Bytes	Wait 100 ‡ns	S Rev:	A		20 20		20		00 00		18		46 51				47	2D	SFP-10G-	-
	(Wr A0:128~255)	a 24			30 44		2D 00		20 20		20		20 21 39 31				00	FC 30	LR-B A A	-
eck SFP-state	Wait 100 ‡ns	A SN:	ASTF19062700	57	50 3		20		31 31		36		37 21				03		57 190627 hb	
Good		Date:	190627		60 4		43	54	2D 3	7 30	31	41	53 4	4 54	2D	42	52	31	AFCT-701ASDZ-BRI	1
uery opm information0	Wr A2:Page1	Basic Inform	ation:		20 20		20		20 21	20	20	20	20 21	0 20	31	20	20	20	1	
эк	Vait 100 🗘 ns	Identifier:	03-SFP	•	-	Ø A0:				5 06		68					-		ASCII	
	1000 Lttp				80 FI		02 FF		04 0		07 FF	00	09 0				30	OF FF	ASCII	
		Connector:	07-LC	<u>.</u>	90 FI		FF		FF FI		FF FF		FF FI				FF	FF	777777777777777777	
	(PowerDown)	Encoding:	06	-	AG FI		FF		FF FI	FF	FF	FF	FF FI				FF	FF	7777777777777777777	
	Wait 100 + nz	Bitrate(Mbps	10300		80 F1	FF	FF	FF	FF FI	FF	FF	FF	FF FI	F FF	FF	FF	FF	FF	99999999999999999	ÿ
		Length-SM(kn	10	1	CD FI	FF	FF	FF	FF FI	F FF	FF	FF	FF FI	F FF	FF	FF	FF	FF	77777777777777777	ÿ
	PowerUP	and a second			D0 F1	FF	FF	FF	FF FI	F FF	FF	FF	FF FI	F FF	FF	FF	FF	FF	77777777777777777	ÿ
	Wait 500 🗘 ns	Length-SM(m)	10000		10 F1	FF	FF	FF	FF FI	F FF	FF	FF	FF FI	F FF	FF	FF	FF	FF	77777777777777777	
		Length-OM2 (n): 0		2	A2-	Page0	128 25	5 1 1	nore l	FF Last 8	FF	FF FI	F FF	FF	FF	FF	FF	000000000000000000000000000000000000000	Ÿ.
	Rd A0:0~127	Length-OM1 (n); 0		0	01	02	03	04 0	5 06	07	08	09 0	A 06	oc	6D	OE	QF	ASCII	
					80 43	4F	55	49	41 3	7 35	43	41	41 3	1 30	20	32	35	33	COUIA75CAA10-253	3
	Rd A0:128~255	Length-Coppe:			90 3	2D	30	31	56 31	31	20	01	00 4	6 00	00	00	00	BF	1-01V01 F4	
	\succ	Length-OM3 (n): 0		A0 01	00	00	00	00 00	00 0	00	00	00 00	0 00	00	00	00	00		
	Rd A2:Page0	Wave(nn): 1	310 . 0	···· ·	ao 01		00		00 00		00		00 00				AA	AA		
					co 53		50		31 31		2D		52 21				20	20	SFP-10G-ER	
					D0 21		20		31 34		00		00 00				00	37	167	
					IO 11	28	2E	2E	31 34	4 29	38	00	00 00	0 00	00	00	00	00	(14)6	

Figure 9

Save A2 Code Insert the SFP optical module to be read into the SFP/SFP+/SFP28 socket.,

2.1.1 Click "Refresh" to read A0 and A2(Figure 9-1),

2.1.2 Uncheck the box for "A0:0~127" and "A0:128~255",

2.1.3 Click "Export BinFile" to save A2 to the computer (Figure 9-3).

2.2 Merge and Save A0 and A2

Saving both A0 and A2 codes simultaneously

Insert the SFP optical module to be read into the SFP/SFP+/SFP28 socket,

2.2.1 Click "Refresh" to read A0 and A2(Figure 10-1)

2.2.2 Click "Export BinFile" to save A0 and A2 to the computer (Figure 10-2)



P Coding tSysten: ad/write code platform resh Tine: 1 24-06-12 10:28:15	Refresh 87mA			Refresh SFF read sfp: 384		es													
P:ID=1	Password Definition(HEX):	-	[lee.		T.e.		T.			-								
	Password List: SFP/QSFP 0000101		~ <mark>00</mark>	00	_	10		11	1		_ NO :	asswo	rd						
wy B/RD Bate:	Coding Operation	V	SPP DIM	2 Expo	ort Bi	nFile	1	0	Ones	hot		Non	Incr	easi	ng	(ncea	seing+	1 Batch BinFile
	Progress:	Vendor Informa	ion:	_	Re	gList													
• ·			OEM	1	H	✓ A0		1				_							5.925
lock Size:						00 01	02	03	04	- C	06 07	08	09	0A.	OB	0C		OE OF	ASCII
8Bytes	Wr A0:0~127		00051E			03 04	07	20	00	00 0		00	01	00	06	67		0A 64	g
128Bytes		> PN:	SFP-10G-LR-B			00 00	00	00	4F		ID 20		20	20	20	20		20 20	OEM
Lobytes	Vait 100 Tax	Rev:	A	7	20		20 20	20					46	50	2D	31		47 2D	SFP-106-
	(Wr A0:128~255)	hev:	A			4C 52	20	42		20 2 53 5			39	20 30	20 36	05 32		00 FC 30 30	LR-B A U ASTF19062700
ck SFP-state	Wr A0:128~255	SN:	ASTF1906270057		40		20	20			14 40 10 36		39	20	20			30 30 03 61	57 190627 h6 a
ry opm information0		Date:	190627			41 46	43	54		30 3			53	44	20 5A	2D		52 31	AFCT-701ASDZ-BR1
ror	Wr A2:Page1				70					20 2			20					20 20	1
ry opm information1 ror	Vait 100 🗘 nz	Basic Informat	on:		10				20	20 2		20	20	20	20	5.	20	20 20	
ry opm information2		Identifier:	03-SFP	<u> </u>		00 01	02	03	04	05 0	05 07	08	09	0A	08	00	00	0E 0F	ASCII
ror ry opm information0		Connector:	07-LC	-	80	FF FF	FF	FF	FF	FF F	F FF	FF	FF	FF	FF	FF	FF	FF FF	*******
	PowerDown	Encoding:	06	~	90		FF	FF	FF	FF F	F FF	FF	FF	FF	FF	FF	FF	FF FF	**********
	Vait 100 ‡ms	Bitrate(Mbps):	10300		AG		FF	FF	FF	FF F	F FF	FF	FF	FF	FF	FF	FF	FF FF	<u> </u>
					80	FF FF	FF	FF	FF	FF F	F FF	FF	FF	FF	FF	FF	FF	FF FF	<u> </u>
	PowerUP	Length-SM(km):	10		co	FF FF	FF	FF	FF	FF F	F FF	FF	FF	FF	FF	FF	FF	FF FF	<u> </u>
	Vait 500 + ms	Length-SM(n):	10000		00	FF FF	FF	FF	FF	FF F	F FF	FF	FF	FF	FF	FF	FF	FF FF	9999999999999999999
		Length-OM2(a):	0		ED	FF FF	FF	FF	FF	FF F	F FF	FF	FF	FF	FF	FF	FF	FF FF	**********
			-		10	FF FF	FF	FF	FF	FF F	F FF	FF	FF	FF	FF	FF	FF	FF FF	<u> </u>
	Rd A0:0~127	Length-OM1 (a):	0			🗹 A2-	Page	:128~;	255 🗌	Ignore	Last	8Byte:							
	\rightarrow	Length-Copper (): O			00 01	02	03	04	05 0	06 07	05	09	0A.	ØB	oc	00	OE OF	ASCII
	Rd A0:128~255	Length-ON3(n):	0		80	43 4F	55	49	41	37 3	5 43	41	41	31	30	2D	32	35 33	COUIA75CAA10-253
	Rd A2:Page0		10 . 00		90	31 2D	30	31	56	30 3	1 20	01	00	46	00	00	00	00 BF	1-01V01 FL
	Ra Az:Pageo	Vave(nn): 13	. 00	~	AG	00 00	00	00	00	00 0	0 00	00	00	00	00	00	00	00 00	
					80	00 00	00	00	00	00 0	0 00	00	00	00	00	00	00	AA AA	••
					CD	53 48	50	2D	31	30 4	7 21	45	52	20	20	20	20	20 20	SFP-100-ER
					00	20 20	20	20	31	36 0	0 00	00	00	00	00	00	00	00 37	167
						1B 28	28	2E		34 2			00	00	00	00		00 00	(14)6
					FO	00 00	00	00	00	66 0	0 00	00	00	00	00	00	00	00 00	f

Figure 10

3. Write Code A0 A2

Taking the example of writing the CISCO SFP 10G LR 10km with code " 00 00 10 11"

Insert the 10G LR 10km optical module to the EEPROM Programmer board.

3.1 Import A0 and A2 separately for writing (A0 and A2 are not merged).

3.1.1 Select the configuration file "SFP/QSFP 00001011" corresponding to the 10G LR code "00001011" (Figure 11).

3.1.2 Click "Export BinFile" to import the A0 bin (Figure 12)

3.1.3 Uncheck the boxes for "A0:0~127" and "A0:128~255" (Figure 13)

3.1.4 Click "Export BinFile" to import the A2 bin (Figure 14)

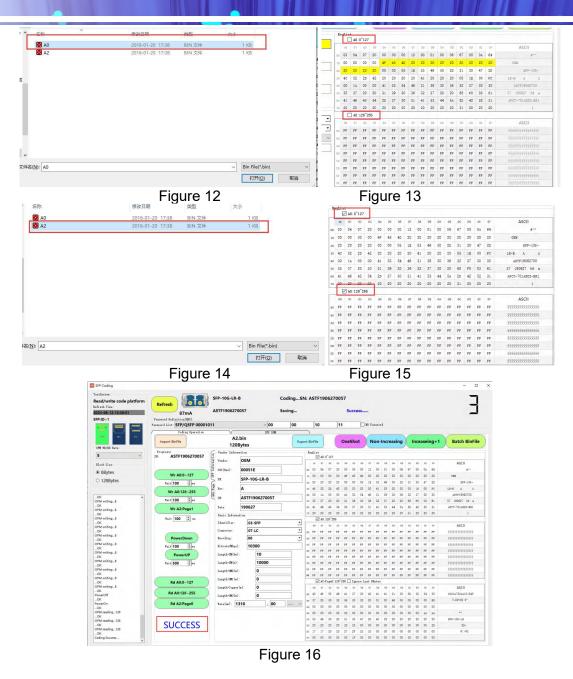
3.1.5 Check the boxes for "A0:0~127" and "A0:128~255" (Figure 15)

3.1.6 Click "OneShot" and wait for the prompt "Success," indicating that the module programming is complete (Figure 16).

Password List:	SFP/QSFP 00001011		00	00	10	11	NO Password
	Coding Operation	V	SFP DDM		7		







3.2 Import A0 and A2 Simultaneously (A0 and A2 Merged)

3.2.1 Select the configuration file "SFP/QSFP 00001011" corresponding to the 10G LR code "00001011" (Figure 11).

Rev 1.1

3.2.2 Click "Export BinFile" to import the A0 and A2 bin (Figure 17)

3.2.3 Click "OneShot" and wait for the prompt "Success," indicating that the module programming is complete (Figure 16).

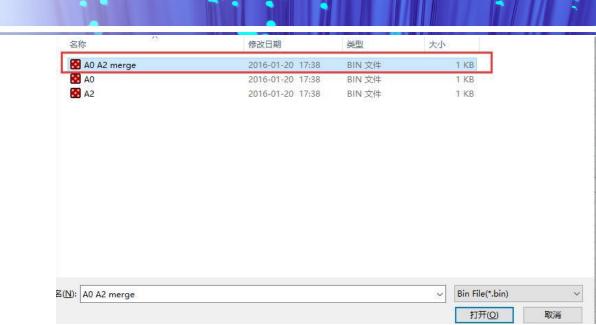


Figure 17

4. Automatic Code Writing A0 A2

FiberMall

Import A0 and A2 separately for writing (using the example of A0 and A2 merged).

4.1 Select the configuration file "SFP/QSFP 00001011" corresponding to the 10G LR code "00001011" (Figure 18).

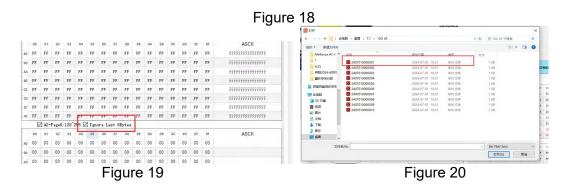
4.2 Check "Ignore Last 8 Bytes" as shown (Figure 19)

4.3 Click "Batch BinFile" to import the first code to be written (Figure 20)

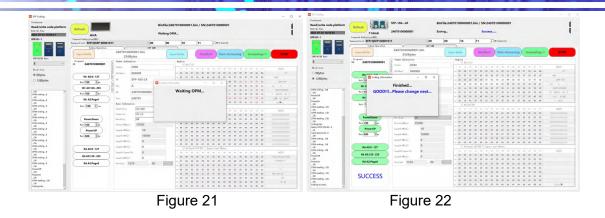
4.4 Insert the module corresponding to the serial number until the writing is complete (Figure 21).

4.5 Wait for the display to show "Finished," indicating that the code writing was successful, then insert the next optical module (Figure 22).

Password Def	ð/MA inition(HEX):						
Password List:	SFP/QSFP 00001011	~	00	00	10	11	NO Password
	Coding Operation	S	FP DDM		7		







4. XFP Optical Transceivers Code Reading /Code Saving /Code Writing

- 1.Read Code A0 Table01 and Table02
- 1.1 Insert the XFP optical module to be read into the XFP socket,
- 1.2 open the "Programming Box V2-20231213" software(Figure 23)
- 1.3 Click "Scan&Connecting"(Figure 24-1)
- 1.4 Click "XFP Coding" (Figure 24-2)
- 1.5 Click "Refresh" (Figure 25-1) to read A0's Table01 (Figure 25-2) and Table02 (Figure 25-3)

Programming Box \	V2-20231213	2024-02-27	9:41	应用程序	67,53
		Figure 23			
Test Application System		U			
	1				中文&Eng
	TestSystem	2			
Scan&Connecting					
	SFP Coc	ing XFP Codin	QSFP Cod	ling QSFP-DD Coding	
SerialFort					
2 Scan SerialPort	1 Device List	Version List			
*1 COM1 通信端口 (COM1) *2 COM6 USB-SERIAL CH340 (COM6)	Connected #1 Disconnect Port:通信端口(COMM	Slot: DevType: O		Ver:	
#2 COND 038-32ALAL CR340 (COND)	Connecting #2	Site: Seriype.		194.	
#4		0 (COM6)Slot:0-ODevType:1003	SFP-XFP-QSFP Board	Ver: 3.1 Dec 4 2023 10:00:53	Upgrade
*5	Connecting				
LOG					
Son Serpert: 通信演任 (OUR) Son Serpert: 通信演任 (OUR) Son Serpert: 通信演任 (OUR) Get information1 LL CHOM (COM) Get information1 LL CHOM (COM) Get information1 LL CHOM (COM) Serpert (Englished (COM)). All Son Serpert (ENGLISH) (COM) (COM) (COM) San Over Son Server	33				

Figure 24



d/write code platform sh Tise: 1-07-23 17:05:26	Refresh 220mA			ead sfp: 25	56Bytes													E
ID=1	Password Definition(HEX): Password List: SFP/XFP/QSFP 0000	1011	~ 00	00	10		11			30 Pa	sword							
re- and a second	Coding Operation	V	XPP DDM	Exp	port BinFile)	•	OneSho	ot	N	on-In	rea	sing		Incea	seir	ng+1	Batch BinFi
	Progress:	Vendor Informa			RegList	_	-		_	-	-		_	-				
	Sit: - with the upper state of t		OEM			AD-Pag	•1:128 ^{~~}	255										
k Size:			000000	1	00	01 0	2 03	04 05	5 06	07	05	99	GA O	5 0	00	0C	Q1	ASCII
Bytes	Wr A0:Page1	1			80 7B	00 0	00 00	00 01	00	00	00	90	00 0	0 0	9F	46	53	(SHEFS
28Bytes			XFP-10G-LR			20 0		4F 45	5 4D		20	20	20 2	0 2	20	20	20	OEM
	Wr A0:Page2	Rev:]		20 2		FB OC			58	46	50 21	D 3	30	47	2D	üXFP-10G-
	Wr A0:Page2	SN:	24072300001			52 2		20 20			F9	C0 .	7D 6	4 0	20	43	51	LR ùÀ)dO CQ
XFP state	Nait 100 : ns		240723		and the second s	30 0 20 2		32 34			32		30 3	0 3	30		20	24072300001
OPM information0				1		34 3		32 34			32		20 2	2 4	62 56	20	7A 30	740-014290 REV 0
		Basic Informat						00 00										1
	PowerDown	Identifier.	7B-Under				2:128											
	Nait 100 Ons	Connector:	00	~		01 0		04 05	5 06	07	08	09	0 0	8 0	00	00	0F	ASCII
		Encoding:	00	Ý	a0 01	00 4	1 44	56 41	00	00	00	00	46 4	3 3	36	38	35	ADVAFC9685
	PowerUP	BR-Min(Mbps);	0		90 54	43 3.	2 35	00 00	00	00	00	00	00 0	0 0	00	00	00	TC25
	Vait 500 🗘 ns				AG 00	00 0	2 02	03 DI	E 04	28	20	00	00 0	0 0	00	09	01	OÞD.
		BR-Max (Mbps):	15900		80 30	30 3	6 31	37 36	5 31	38	32	35	2D 3	0 3	00	00	00	0061761825-02
		Length-SM(km):	70			41 3	9 39	39 31	35	30	30	30	30 3	0 3	00	00	00	FA99995000003
	Rd A0:Page1	Length-OM3(m):	166	3	DC 00	00 0		00 00	00	00	00	01	00 0	3 0	00	00	00	D
		Length-OM2(s):	32	_		32 2		31 34			00		4D 4	F 5-	42	\$8	46	2.01:00WMOTB8F
	Rd A0:Page2			_	ro 48	41 4	1 00	00 00	00 00	20	00	00	00 0	0 0	00	00	00	HAA,
		Length-OM1(m):	32	_														
		Length-Copper (a): 0															
	_	Wavelength(nm):	1605.00															
					-													

Figure 25

- 2. Save Code A0 Table01 and Table02
- 2.1 Save Table01 and Table02 separately
- Save Table01 Code

Insert the XFP optical module to be read into the XFP socket,

- 2.1.1 Click "Refresh" to read Table01 (Figure 26-1 and Figure 26-2) 2.1.2 Uncheck the box for "A0-Page2:128~255" (Figure 26-3),
- 2.1.3 Click "Export BinFile" to save Table01 to the computer (Figure 26-4)

24-07-23 17:05:26 P:ID=1	221mA			read sfp: 25	,													
	Password List: SFP/XFP/QSFP 0000	01011	~ 00	00		10		11		08	Passe	ord						
	Coding Operation		XFP DIM		'	_				-								
srov	Import BinFile			4 Exp	oort BinF	ile	1	Or	eSho		Nor	n-Incr	easin	g	Ince	asei	ng+1	Batch BinFi
V NAVED Eate:	Progress:	Vendor Infor	nation:		Red	List	_							_				
~	SN: - Wr A0:Page1	endor:	OEM		1	₩ A0-	Pagel	:128~25	5									
ock Size:			000000	-		00 01	02	03	04 05	05	07	08 09	0A	08	0C 0	00	OF	ASCII
8Bytes	Wr A0:Page1	(UI (Hex):			80 7	7B 00	00	00	00 01	00	00 0	90 90	00	00	00 9	46	53	{∰∎FS
128Bytes			XFP-10G-LR		90 2	20 20	00	00	4F 45	4D :	20 2	20 20	20	20	20 2	20	20	OEM
Lobytos	Vait 100 Ins	a Lev:			A0 2	20 20	20	20	B 00	00	00 8	58 46	50	2D	31 3	47	2D	ÚXFP-10G-
	Vait 100 tons Wr A0:Page2	- 	24072300001			4C 52		20	20 20		20 1	F9 C0	7D	64	06 2		51	LR ùÀ)do CQ
ck XFP state	Vait 100 Pas	late:	240723	_	0 8		04	00	82 84	30	37 3	82 88	30	30	30 3	31		30024072300001
ry OPM information0					00				82 84 80 81			82 33 89 30	20	20	08 6		7A 30	240723 btz 740-014290 REV 0
,		Basic Inform				87 84			so s1					52	45 5			740-014290 REV 0
	PowerDown	identifier.	7B-Undef			- 100				00 1	00 1	00 00	00	00	00 0	, 00	00	
	Yait 100 Cns	Connector:	00		1 3	00 01	02		04 05	05	07	08 05	0.5	08	oc o	0	OF	ASCII
		Encoding:	00	•		01 00	41		56 41			00 00		43	39 3			ADVAFC9685
	(PowerUP)	BR-Min(Mbps);	0			54 43	32	35	00 00			00 00	00	00	00 0			TC25
	Vait 500 ‡ns		15900		AO	00 00	02	02	DS DE			20 00	00	00	00 0			DÞD.
		BR-Max (Mbps):			50 8	80 80	36	31	37 36	81	88 1	82 85	2D	30	32 0	00	00	0061761825-02
		Length-SM()m)	70		0	46 41	39	39	39 39	35	30 3	30 30	30	30	33 0	00	00	FA99995000003
	Rd A0:Page1	Length-OM3(n)	166		po C	00 00	00	00	00 00	00	00 0	00 01	00	03	00 0	00	00	0
		Length-OM2(a)	32		10	1B 32	2E	30	81 BA	30	30 0	57	4D	4F	54 4	38	46	02.01:00WMOTB8F
	Rd A0:Page2	and a contraction			10	48 41	41	00	00 00	00	2C (00 00	00	00	00 0	00	00	HAA.
		Length-OMI (n)																
		Length-Copper	(n): 0															
	_	Wavelength(na	1605.00		1													

Figure 26



Save Table02 Code

Insert the XFP optical module to be read into the XFP socket,

2.1.4 Click "Refresh" to read Table02 (Figure 27-1 and Figure 27-2)

2.1.5 Uncheck the box for "A0-Page1:128~255" (Figure 27-3),

2.1.6 Click "Export BinFile" to save Table02 to the computer (Figure 27-4)

-1	Password Definition(HEX):																			
	Password List: SFP/XFP/QSFP 00	001011		~ 00	00		10		11			SO Pas	spord							
•	Coding Operation	V		XFP DEM		7	-		_			-			_					
MAD Rate:	Import BinFile			4	Expo	rt Binl	File	1	01	neSho	ot	N	on-In	crea	sing		Incea	seir	ng+1	Batch Binl
~ · · · · · · · · · · · · · · · · · · ·	Progress:	g Vendor Inform	ation:			Rei	pint 1													
	SN: -	Vendor Inform Vendor: UI OUI(Hex): PF:	OEM			3	0	Pagel	:128-25	5										
Size:		UUI (Nex):		1			00 01	62	-03	04 05	05	07	05	09	0.4 0	0 00	dD.	30	07	ASCII
sytes	Wr A0:Page1	2 001 (Hex):	000000			80	78 00	00	00	00 01	00	00	00	90	00 0	0 00	97	46	53	(MI≣FS
8Bytes	Mi Ac.Pager	E 18:	XFP-10G-L	.R		90	20 20	00	00	4F 45	6 4D	20	20	20	20 2	0 20	20	20	20	OEM
objecs	Vait 100 🗘 ns	Bev:				A0 .	20 20	20	20	FB 00	00	00	58	46	50 21	D 31	30	47	2D	üXFP-10G-
	(Wr A0:Page2)	Rev: TH SH:	240723000	001			4C 52	20	20	20 20	20	20	F9	CO	7D 6	4 04	20	43	51	LR ùÀjd0 CQ
IFP state	Vait 100 :ns		240723				88 80	04	00	82 84	\$ 30	37	82	33	30 B	0 30	30	31	20	30024072300001
OPM information0		Date:	240723				20 20	20	20	32 34	8 30	87	82	33	20 2	0 08	62		7A	240728 btz
Privi enormation		Basic Informa	ti ca:				87 84	30	2D	30 31	84	82	39	80	20 5	2 45	56	20	30	740-014290 REV 0
	PowerDown	Identifier:	7B-Und	ef	~	10	31 00			00 00	00	00	00	00	00 0	0 00	00	00	00	1
		Connector:	00		•		00 01	Tagez	128 25									or		ASCII
	Vait 100 🗘 ns	Encoding:	00		•		01 00	02	03	04 05	05	07	05	09	6A 0	0 00	00	20	35	ADVAFC9685
	(PowerUP)	SE-Min(Mops):	0		_	80		41	44		00	00	00	00	10 4	3 31	36	30	00	TC25
	Vait 500 Das		-				00 00	52	35			00	00	00			00	00	00	040.
		BR-Max (Mbpu):	15900			50		-									00	00	00	0061761825-02
		Length-SM(les):	70		2		46 41	30	20	37 38		20	30	20	10 1	0 33	00	00	00	FA99995000003
	Rd A0:Page1	Length-GM3(s)	16	6	- ·		00 00	00	00	00 00	00	00	00	01	00 0	1 00	00	00	00	D
	Nu Av.Pager				_	-	18 32	28	30	31 34	30	30	00	57	4D 4		42	38	46	02.01:00WMOTES
	Rd A0:Page2	Length-GM2(n):			_	10	48 41	41	00	00 00	00	2C	00	00	00 0	0 00	00	00	00	HAA
		Length-OM1 (n)	32								-									
		Length-Copper ((a): 0																	
		Wavelength(ns)	1605.0	0																
	-	* ever engin (ne)	1003.0																	

Figure 27

2.2 Merge and Save Table01 and Table02

Saving both A0 and A2 codes simultaneously.

Insert the XFP optical module to be read into the XFP socket,

2.2.1 Click "Refresh" to read Table01 and Table02 (Figure 28-1)

2.2.2 Click "Export BinFile" to save Table01 and Table02 to the computer (Figure 28-2)

estSystee: Read/write code platform afresh Tine: 024-08-01 11:28:40 (FP:ID=1	Refresh 220mA Persered Definition(MI):			Refresh XF read sfp: 25		s													0
A State of the second sec	Password List: SFP/XFP/QSFP 0000	1011	~ 00	00	-	10		11			NO Pas								
🚍 🚍 💳			LYP ION	00	_	10				-									
OPM WE/2D Bate:	Coding Operation	V	IPP ION	2 Exp	ort Binl	file		0	neShe	ot	N	on-In	reas	ing	•	ncea	sein	g+1	Batch BinFile
5 ~	Tropress: 58: 2408010000001	Vendor Infor	mation:	_	Eeg	List													
-	58: 2408010000001	Vender:	OEM			Ø 40-	Pagel	:128 2	95										
Block Size:		OUT (Nex):	00005F		1	00 01	02	03	04 0	5 05	07	05	09 0	A 08	0C	00	30	or	ASCII
8Bytes	Wr A0:Page1	OUL (nex):			00	06 58	07	44	40 0	0 00	40	00	0 00	0 80	63	71	0A	00	CXCD@@*cq
0 128Bytes			XFP-10GLR-OC192		90	00 00	00	40	47 4	5 4D	20	20	20 2	0 20	20	20	20	20	@OEM
O TZODytes	Vait 100 Dat	Ber:	D		AG	20 20	20	20	c0 0	0 00	SF	58	16 5	0 20	81	30	47	4C	A XFP-10GL
	Wr A0:Page2	SR	240801000001		80	52 2D	47	43	31 3	9 32	20	44	20 6	6 58	07	AO	46	88	R-OC192 D fX0 F因
.OK A		28:		_	0	7D 96	08	00	32 3	4 30	38	30	81 3	0 30	80	30	30	30)#240801000000
PM writing8	Vait 100 Des	Date:	240801		DO	81 20	20	20	32 3	4 30	88	30	81 2	0 20	08	60	70	42	1 240801 pB
OK PM writing8		Basic Inform	ation:		03	00 00	08	E 8	E7 9	C 84	78	85	57 B	0 70	FS	3A	83	36	èç∎'~µW'pö:³6
ок		Identifier:	06-XFP		FO	18 7D	GA	00	00 0	00 00	00	00	0 0	0 00	55	18	81	00	08001
PM writing8 OK	PowerDown					M 40	Tage2	128 2	95										
PM writing8	Vait 100 Cas	Connector:	07-LC			00 01	02	03	04 0	5 05	07	05	09 0	A 08	00	00	00	or	ASCII
OK PM writing8		Encoding:	B0-Undef	-	80	01 00	41	44	56 4	1 00	00	00	4	6 43	89	36	88	35	ADVAFC9685
PM writing8 DK	PowerUP	SE-Min(Mips):	9900		90	54 43	32	35	00 0	0 00	00	00	0 0	0 00	00	00	00	00	TC25
PM writing8	Vait 500 ÷ms	SR-Max (Mips) :	11300		1 40	00 00	02	02	03 D	E 04	28	20	0 0	0 00	00	00	09	01	CPC.
OK PM writing8					80	30 30	36	81	37 3	5 31	38	32	15 2	D 30	82	00	00	00	0061761825-02
OK		Length-SM(kn)	10		co	46 41	39	39	39 3	9 35	80	30	30 3	0 30	33	00	00	00	FA99995000003
PM writing8 OK	Rd A0:Page1	Length-Off3(n)	. 0		DO	00 00	00	00	00 0	0 00	00	00	01 0	0 03	00	00	00	00	0
DK PM writing8		Leagth-Off2(a)	0	_	80	18 32	28	80	81 8.	A 30	80	00	57 4	D 4F	54	42	88	46	02.01:00WMOTESF
ок	Rd A0:Page2				FO	48 41	41	00	00 0	0 00	20	00	0 00	0 00	00	00	00	00	HAA
owerOff OK		Length-Offi (a)	. 0																
owerOn		Length-Copper	(n): 0																
OK PM page1	FAIL	Wavelength(ne	1310.00		1														
OK	FAIL	a avez eag cir (in	1310.00																
PM reading128																			
OK PM page2																			
OK																			
PM reading128 OK																			
OK oding Fail																			
tuery OPM information 0																			
.ok 🗸																			

Figure 28



3. Write Code Table01 and Table02

Taking the example of writing the CISCO 10G XFP 10km with code "00 00 10 11" Insert the 10G XFP 10km optical module to the EEPROM Programmer board.

3.1 Import Table01 and Table02 separately for programming (Table01 and Table02 are not merged).

3.1.1 Select the configuration file "SFP/XFP/QSFP 00001011" corresponding to the 10G XFP password of 00001011 (Figure 29)

3.1.2 Click "Export BinFile" to import the Table01 bin (Figure 30)

3.1.3 Click to uncheck the box for "A0:Page1:128~255" (Figure 31)

3.1.4 Click "Export BinFile" to import the Table02 bin (Figure 32)

3.1.5 Click to check the box for "A0:Page1:128~255" (Figure 33).

3.1.6 Click "OneShot" and wait for the prompt "Success," indicating that the module programming is complete (Figure 34).

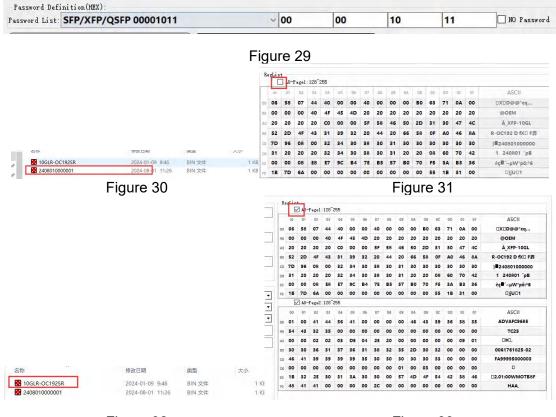


Figure 32

Figure 33



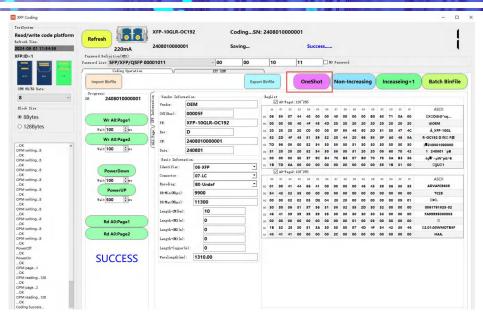


Figure 34

3.2 Import Table01 and Table02 Simultaneously (Table01 and Table02 Merged)

3.2.1 Select the configuration file "SFP/XFP/QSFP 00001011" corresponding to the 10G XFP code of "00001011" (Figure 29)

3.2.2 Click "Export BinFile" to import the Table01 and Table02 bin (Figure 35) 3.2.3 Click "OneShot" and wait for the prompt "Success," indicating that the module programming is complete (Figure 34)

名称	~	修改日期	类型	大小
10GLR-OC192SR		2024-01-09 9:46	WriteM Document	1 KE
🗒 AST2309190064		2024-01-09 9:46	WriteM Document	1 KE
👺 Table01 Table02		2024-08-13 10:14	WriteM Document	1 KE

Figure 35

4. Automatic Code Writing Table01 and Table02

Import Table01 and Table02 for Writing (using the example of merged Table01 and Table02)

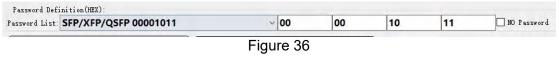
4.1 Select the configuration file "SFP/XFP/QSFP 00001011" corresponding to the 10G XFP code of 00001011 (Figure 36)

4.2 Click "Batch BinFile" to import the first code to be written (Figure 37)

4.3 Insert the module corresponding to the serial number until the programming is complete(Figure 38)

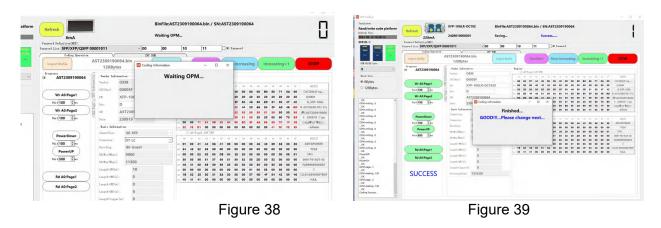
4.4 Wait for the display to show "Finished," indicating that the code writing is successful, then insert the next optical module (Figure 39)





 ● 新建文件夹 ● Mellanox AC # ● 2407010000001 2024-07-01 1 ● 6.25 ● 時間2024-6月开 ● 2407010000002 2024-07-01 10:31 ● BIN 文件 ● 1 KB ● 2407010000003 2024-07-01 ● 10:31 ● BIN 文件 ● 1 KB ● 2407010000004 2024-07-01 ● 10:31 ● BIN 文件 ● 1 KB ● 240701000005 2024-07-01 ● 10:31 ● 10:34 ● 10:34 ● 10:34 ● 10:34 ● 240701000005 ● 2024-07-01 ● 10:31 ● 10:34 ● 10:34							
Mellanox AC# 安臣 機力口服 出市 大小 1	」织▼ 新建文件夹						
6.25 留 2407010000002 2024-07-01 10:31 BIN 文件 1 KB ● 時期2024-6月开 留 2407010000002 2024-07-01 10:31 BIN 文件 1 KB ● 雪芹未付款 留 2407010000003 2024-07-01 10:31 BIN 文件 1 KB ● 雪芹未付款 留 2407010000005 2024-07-01 10:31 BIN 文件 1 KB ● 雪芹未付款 留 2407010000005 2024-07-01 10:31 BIN 文件 1 KB ● 2407010000005 2024-07-01 10:31 BIN 文件 1 KB ● 2407010000005 2024-07-01 10:31 BIN 文件 1 KB ● 2407010000007 2024-07-01 10:31 BIN 文件 1 KB ● 2407010000007 2024-07-01 10:31 BIN 文件 1 KB ● 2407010000007 2024-07-01 10:31 BIN 文件 1 KB ● 2407010000008 2024-07-01 10:31 BIN 文件 1 KB ● 2407010000009 2024-07-01 10:31 BIN 文件 1 KB ● 文档 ● 10:31 BIN 文件 1 KB 1 KB ● 文档 ● 10:31 BIN 文件 1 KB 1 KB	Mellanox AC 🖈 ^	2款	修改日期	洲刑	大小		
6.25 ● 2407010000002 2024-07-01 10:31 BIN 文件 1 KB ● 数字未付款 2 2407010000003 2024-07-01 10:31 BIN 文件 1 KB 2 2407010000004 2024-07-01 10:31 BIN 文件 1 KB 2 2407010000005 2024-07-01 10:31 BIN 文件 1 KB 2 2407010000005 2024-07-01 10:31 BIN 文件 1 KB 2 2407010000007 2024-07-01 10:31 BIN 文件 1 KB 2 2407010000008 2024-07-01 10:31 BIN 文件 1 KB 2 2407010000009 2024-07-01 10:31 BIN 文件 1 KB 2 2407010000009 2024-07-01 10:31 BIN 文件 1 KB 2 240701000009 2024-07-01 10:31 BIN 文件 1 KB 2 240701000001 2024-07-01 10:31 BIN 文件 1 KB	1	2407010000001	2024-07-01 10:31	BIN 文件		1 KB	
	6.25	240701000002	2024-07-01 10:31	BIN 文件			
 3 百度网盘目途空间 3 2 0407010000005 2024-07-01 10:31 3 BIN 文件 1 KB 2 407010000006 2024-07-01 10:31 3 BIN 文件 1 KB 2 407010000008 2024-07-01 1 0:31 3 BIN 文件 1 KB 2 407010000008 2024-07-01 1 0:31 3 BIN 文件 1 KB 2 407010000010 2024-07-01 1 0:31 3 BIN 文件 1 KB 2 407010000010 2 2024-07-01 1 0:31 3 BIN 文件 1 KB 2 407010000010 2 2024-07-01 1 0:31 3 BIN 文件 1 KB 3 2 744 1 下號 3 5 74 	肖刚2024-6月开	2407010000003	2024-07-01 10:31	BIN 文件		1 KB	
 3 百度网鱼同步空间 8 2407010000006 2024-07-01 10:31 BIN 文件 1 KB 2 407010000007 2024-07-01 10:31 BIN 文件 1 KB 2 407010000009 2024-07-01 10:31 BIN 文件 1 KB 2 407010000009 2024-07-01 10:31 BIN 文件 1 KB 2 407010000010 2024-07-01 10:31 BIN 文件 1 KB 2 407010000010 2 2407-01 10:31 BIN 文件 1 KB 3 大^m 	鑫环宇未付款	2407010000004	2024-07-01 10:31	BIN 文件		1 KB	
10 2407010000006 2024-07-01 10:31 BIN 文件 1 KB 10 30 30 30 2024-07-01 10:31 BIN 文件 1 KB 11 30 30 30 2024-07-01 10:31 BIN 文件 1 KB 11 30 30 30 2407010000008 2024-07-01 10:31 BIN 文件 1 KB 11 400 2024-07-01 10:31 BIN 文件 1 KB 11 50 2407010000009 2024-07-01 10:31 BIN 文件 1 KB 11 11 310 2407010000010 2024-07-01 10:31 BIN 文件 1 KB 11 11 11:31 11:31 11:31 BIN 文件 1 KB 12 2407010000010 2024-07-01 10:31 BIN 文件 1 KB 12 文档 1 50 10:31 BIN 文件 1 KB 12 文档 1 50 10:31 BIN 文件 1 KB 13 55 55 56 56 56 56	Telle	2407010000005	2024-07-01 10:31	BIN 文件		1 KB	
2024-07-01 10:31 BIN 文件 1 KB 副 积频 2407010000009 2024-07-01 10:31 BIN 文件 1 KB 副 积频 2407010000009 2024-07-01 10:31 BIN 文件 1 KB 副 契持 2407010000010 2024-07-01 10:31 BIN 文件 1 KB 分 文档 ↓ 下號 → 音乐	日度 网 一 一 日 度 网 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一	240701000006	2024-07-01 10:31	BIN 文件		1 KB	
■ 10.53 W 2407010000009 2024-07-01 10:31 BIN 文件 1 KB ■ 短频 ■ 2407010000010 2024-07-01 10:31 BIN 文件 1 KB ■ 文档 ↓ 下號 → 百乐	- 此电脑	240701000007	2024-07-01 10:31	BIN 文件		1 KB	
■ 祝政 2407010000010 2024-07-01 10:31 BIN 文件 1 KB ■ 文档 ■ 文档 ↓ 下號	1 3D 对象	240701000008	2024-07-01 10:31	BIN 文件		1 KB	
■ 副片 ② 文档 ↓ 下號 → 音乐	🕎 初频		2024-07-01 10:31	BIN 文件		1 KB	
 ☆ ☆ 下 弐 示 		2407010000010	2024-07-01 10:31	BIN 文件		1 KB	
↓ 下载 ♪ 音乐							
▶ 音乐							
▲ 桌面 v	and the second se						
	「「「」「」「」」「」」「」」「」」「」」「」」「」」「」」「」」」「」」」						
文件名(N):	文件名(1	N):			~	Bin File(*.bin)	~
						打开(O)	取消

Figure 37



5. QSFP+/QSFP28/QSFP56 Optical Transceivers/DAC/AOC Code Reading/Code Saving/Code Writing

- 1.Read Code A0 Page00 and Page02
- 1.1 Insert the QSFP28 optical module to be read into the QSFP28 socket,
- 1.2 Open the "Programming Box V2-20231213" software(Figure 40)
- 1.3 Click "Scan&Connecting" (Figure 41-1)
- 1.4 Click "QSFP Coding" (Figure 41-2)
- 1.5 Click "Refresh" (Figure 42-1) to read A0's Page00 (Figure 42-2) and Page02 (Figure 42-3)

M Programming Box V2-20231213	2024-02-27 9:41	应用程序	67,538 KB
-------------------------------	-----------------	------	-----------

Figure 40



III Test Application System		ー ロ × 中文&English
Scan&Connecting	SFP Coding XFP Coding	2 QSFP Coding QSFP-DD Coding
2 Sean SerialFort 1 51 [CORT] 请信演[] (COR1) [Gameeted] 42 [COR5] USS-SELIAL (16140 (COR6)] 53 [Connecting] 44 [Connecting]	Device List: Version List H1 #07:100:10000.)S101: DevType:0 #2 #2 OUND.)S101: #2 OUND.)S101: #2 SFP-XFP-C	Ver:
Connection Connectio		

Figure 41

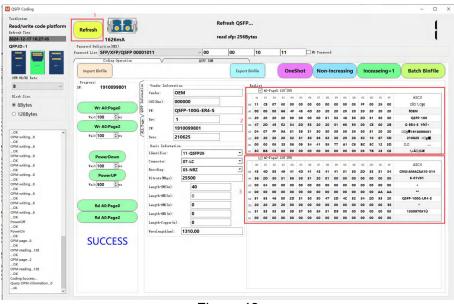


Figure 42

Rev 1.1

2. Save Code A0 Page00 and Page02

2.1 Save Page00 and Page02 separately

Save Page00 Code

Insert the QSFP28 optical module to be read into the QSFP28 socket

- 2.1.1 Click "Refresh" to read Page00 (Figure 43-1 and Figure 43-2)
- 2.1.2 Uncheck the box for "A0-Page2:128~255" (Figure 43-3),
- 2.1.3 Click "Export BinFile" to save Page00 to the computer (Figure 43-4)



stSystes: ead/write code platform fresh Tine:	Refresh			sh QSFI																
024-12-17 16:31:07	1304mA		read	fp: 2568	ytes															
FP:ID=1	Password Definition(HEX):																			
	Password List: SFP/XFP/QSFP 00	001011	~ 00	00	10)		11			O Pass	word								
off WR/ED Rate:	Coding Operation	V	QSFP IOM	Export	BinFile		(0	neSho	t	No	n-Inc	reas	ing	In	cea	sein	g+1	Batch E	BinF
8 ~	S8: 1910099801	S Vender Inform	ation:		RegLis	it		-		_	_	_		-	_	-	-	_		
•	28: 1910099801	Vendor Inform Vendor: 001(Mex):	OEM		6	Z ND-3	Page0:	128 2	55											
Black Sire:		for		_	00	01	02	03	04 05	05	07	05 0	19 CJ	00	0C	0D	10	OF	ASCII	
8Bytes		A OUL (Mex):	000000	2	80 11	CE	07	80	00 00	00	00	00 0	0 00	03	FF	00	28	00	010 1 090	(
	Wr A0:Page0	S PS	QSFP-100G-ER4-S		90 00	00	00	66	45 45	4D	20	20 2	0 20	20	20	20	20	20	FOEM	
○ 128Bytes	Fait 100 = ns	Rev:	1		10 20	20	20	20	00 00	00	00	51 5	3 40	50	2D	81	30	30	QSFP-10	00
	Wr A0:Page2	24		_	10 47	2D	45	52	34 2D	53	20	20 3	1 64	58	00	CE	00	28	G-ER4-5 10	xî+
OK A	Wr AU:Page2		1910099801		00 04	07		94	81 89	81	80	80 8		88	80	81	20	20	00981910099	1090
PM writing 8	Fait 100 C ns	Date:	210625		20	20	20	20	82 81	80	16	82 8	5 20	20	10	10	67	80	210625 <	
ок				-	10 00	00		25	06 09	24	41	29 7	7 4	C6	-	SC	12	3D	0.0	
PM writing8 OK		Basic Inferna					C3	00	00 00	00	00	00 0	0 00		03		43		\+Å0(CÆ	
PM writing8	PowerDown	Identifier:	11-QSFP28	<u> </u>			Page2:			00	00	00 0				/			(multiple)	-
OK		Connector:	07-LC	-	00		02	03	04 05		-					00	01	01	ASCII	
PM writing8 .OK	Wait 100 Ins	Encoding:	03-NRZ	•		01	0.2	03	04 05	00	07	00 0	N 00		OC.	00	01	-		
PM writing8	PowerUP			-	80 43	40	55	49	41 4D	41	43	41 4	1 31	30	20	**	31	34	CMUIAMACAA1	
OK		Bitrate(Mbps):	25500		90 36	2D	30	31	56 30	31	20	01 0	0 00	00	00	00	00	00	6-01V01	
owerOff OK	Wait 500 C ns	Length-SM(km):	40		A0 00	84	00	00	00 00	00	00	00 0	0 00	00	00	00	00	00	•	
owerOn		Length-ON3(n):	0	i 1	80 00	00	00	00	00 00	00	00	00 0	0 00	00	00	00	AA	AA	20	
.OK IPM page0				-	co 51	53	46	\$0	2D 31	30	30	47 2	D 40	52	34	2D	53	20	QSFP-100G-L	R4-5
PM page0 OK	Rd A0:Page0	Length-OM2(n):	0		DO 20	20	20	20	00 00	00	00	00 0	0 00	00	00	00	00	SE	^	
PM reading128		Length-OM1 (m):	0	1	ED 81	33	33	39	39 37	30	38	31 D	9 00	00	00	00	00	00	183997081	1Ú
OK PM page2	Rd A0:Page2		n): 0	-	F0 00	00	00	00	00 00	00	00	00 0	0 00	00	00	00	00	00		
OK		Length-Copper (n): U																	
PM reading128		Wavelength(nm)	1310.00																	
OK oding Success	SUCCESS																			
uery OPM information0	SUCCESS																			
ok																				
uery OPM information0 ok																				
uery OPM information0																				
ok																				
tuery OPM information0																				
luery OPM information0																				

Figure 43

Save Page02 Code

Insert the QSFP28 optical module to be read into the QSFP28 socket

- 2.1.4 Click"Refresh" to read Page02 (Figure 44-1 and Figure 44-2)
- 2.1.5 Uncheck the box for "A0-Page0:128~255" (Figure 44-3),
- 2.1.6 Click "Export BinFile" to save Page02 to the computer (Figure 44-4)

ad/write code platform	Refresh			read sfp: 256	Puter													
24-12-17 16:31:07	1587mA			reau sip. 250	bytes													
P:ID=1	Password Definition(HEX):									-								
	Pastword List: SFP/XFP/QSFP 00	001011	00	00	1	0		11		MN	0 Pass	word						
	Ceding Operation	V	QSFP DIM		<u> </u>	-		_		-	_			-	_		_	
	Import BinFile			4 Expor	t BinFile	,		On	eSho	t)	No	n-Inci	easir	a	Inc	ease	ing+	Batch BinFile
PM WE/ED Bate:							1							2			· ·	
•	Trogress: 58: 1910099801	g Vendor Infer	nation:		Regli				_									
	1910099801	G Vendor Inform Vendor: G OUI(Mes): E PN:	OEM		3	L 10-5	age0:	128 255	5									
Lock Size:		UI (Nex):	000000	1	00	01	02	03	04 05	06	07	05 01	DA DA	05	0C 1	0 0	or	ASCII
8Bytes	Wr A0:Page0	e ouroter).		_	11	CE	07	80 0	00 00	00	00	00 00	00	03	FF 0	10 2	8 00	010 1 090
128Bytes		S P#:	QSFP-100G-ER4-S		90 00		00	66 4	IF 45	4D	20	20 20	20	20	20 3	0 2		FOEM
	Vait 100 🗘 as	Bev:	1		AS 20		20	20 0	00 00	00	00	51 5	46	50	2D 1	1 3		QSFP-100
	Wr A0:Page2	Bev: SF:	1910099801		so 47		45	52 8	14 2D	53	20	20 3	66	58		E 0		G-ER4-S 1fXI+
K A writing8	Vait 100 Das	ER .	210625	7	C0 04	07	FF	SA 1	1 39	31	30	30 31	39	38			20	00981910099801
K writings		Date:			00 20	20	20	20 1	12 81	30	36	32 31	5 20	20	SC 1		7 8D	210625 <0gff
M writing8		Basic Inform	ation:		00	00	08	28 0	6 09	34	41	38 7	A1	00	BC 1		2 3D	0.0
K M writing_8	PowerDown	Identifier:	11-QSFP28	-					00 00	00	00	00 00	00	00	03 3	6 4	C6	/>AU(CAE
К		Connector:	07-LC	-		01	efer .		54 OS	05								1000
M writing8	Vait 100 + ms	Encoding:	03-NRZ	-	0 43		62	03	54 05	05	07	08 0	D OA	80		10 0 13 3		ASCII CMUIAMACAA10-314
M writing8	PowerUP	Bitrate(Mbps)			0 43			49 4	40	41	48	41 4	81	30		0 0		6-01V01
0K werOff	Vait 500 Das						00		0 00			00 00	00	00	00 0	0 0		
ж		Longth-SM(km)	40	2	0.00	00	00	00 0	0 00	00	00	00 01	00	00	00 0	10 A		
werOn X		Length-OM3(a)	0		51	53	46	50 2	D 81	20	30	47 25	40	52	84 2		20	QSFP-100G-LR4-S
M page0	Rd A0:Page0	Length-Off2(a)	0		20	20	20	20 0	00 00	00	00	00 00	00 0	00	00 0	0 0		
K M reading128	nu no.rageo	Length-OM1 (a)	0	_	0 81	83	33	39 3	9 37	30	38	31 D	. 00	00	00 0	0 0	00	133997081Ù
к	Rd A0:Page2					00	00	00 0	00 00	00	00	00 00	00 0	00	00 0	0 0	00	
M page2		Length-Copper	(n): 0		-	-	-				-		-	-			-	
M reading128		Wavelength(nm	1310.00															
K ding Success	SUCCESS																	
ery OPM information0	SUCCESS																	
ik ery OPM information0																		
ek .																		
ery OPM information0																		
ery OPM information0																		
ok uery OPM information0																		

Figure 44

2.2 Merge and Save Page00 and Page02

Saving both Page00 and Page02 codes simultaneously

Insert the QSFP28 optical module to be read into the QSFP28 socket,

- 2.2.1 Click "Refresh" to read Page00 and Page02 (Figure 45-1)
- 2.2.2 Click "Export BinFile" to save Page00 and Page02 to the computer (Figure 45-2)



stSvsten:	1																		
ad/write code platform	Refresh		Re	fresh QSI	FP														
resh Tine:	Refresh																		
24-12-17 16:40:24	1227mA		rea	d sfp: 250	Byte	5													
P:ID=1	Password Definition(HEI):																		
	Password List: SFP/XFP/QSFP 00	0001011	00	00		10		11		Z	10 Ta	sswerd							
	Coding Operation	~	QSPT 10M																
104 44 379	Import BinFile		2		ert BinFi			-	neSh		N.	on-Ir				Ince			Batch Binl
RE/20 Bate:	Import Binnie		-	Expe	art binn	"e		U U	nesn	DI .	14	on-ir	icre	asin	y,	ince	asei	ng+	Batch bin
	Progress:	Vender Infere	ă.		Regi														
~	SH: 1910099801	Vendor Intern	OEM		Kegi	MO-	Taze0	:128~2	95										
ck Size:						10 01	02	03	04 0	5 0	6 07	08	09	QA.	05	0C 05	00	or	ASCII
8Bytes		4 ONT (Hex):	000000		80 1	1 CE	07	80	00 0	0 0	00	00	00	00	03	FF OC	28	00	001090
	Wr A0:Page0	25 PS:	QSFP-100G-ER4-S		90 6	00 00	00	66	4F 4	5 4	20	20	20	20	20	20 20	20	20	FOEM
128Bytes	Vait 100 Cas	a Ber	1		A0 2	0 20	20	20	00 0	0 0	00	51	53	46	50	2D 81	30	30	QSFP-100
	Wr A0:Page2	844 TH	1910099801		80 4	7 2D	45	52	34 2	D 5	20	20	81	66	\$8	00 C	00	28	G-ER4-S 1fxi+
^		1 5×			c0 6	14 07	FF	9A	81 8	9 8	30	30	39	89	38	30 31	20	20	00981910099801
writing8	Vait 100 Des	Date:	210625		00 2	10 20	20	20	82 8	1 3	36	32	35	20	20	3C 10	67	8D	210625 <0g#
writing8		Basic Informs	tion:		00 C		08	28	06 0	9 3	41	38	77	A1	Cő	BC SC	12		0.0
writing8		Identifier:	11-QSFP28	-	10 5	IC 88			00 0	0 0	00	00	00	00	00	03 78	43	C6	\+ÃD(CÆ
	PowerDown	Connector:	07-LC	-	-	₩ H0-							_				-		
writing8	Vait 100 Cas	Enceding:	03-NRZ	•		00 01	02	03	04 0	5 0	07	05	09	0A.	os	0C 05	01		ASCII
HOH	PowerUP				80 4		55	49	41 4	D 4	43	41	41	31	30	2D 33	31	34	CMUIAMACAA10-3
nOn	Vuit 500 Des	Bitrate(Mbps):	25500			6 2D	30	31	56 3	0 3	20	01	00	00	00	00 00	00		6-01V01
	Yest 500 Uns	Length-SM(km):	40		AE C		00	00	00 0	0 0	00	00	00	00	00	00 00	00		
page0		Length-003(a):	0		50 C		00	60	2D 3	0 0	00 00	00	00	00	00	00 00	53	20	QSFP-100G-LR4-S
reading128	Rd A0:Page0	Length-ON2(a)	0	_	00		20	20	00 0			-47	20		94		00		Gare-Tood-Ekt-a
page. 2	Rd A0:Page0		1	_	00 3		20	89	39 3	7 8		81	00	00	00	00 00	00		133997081Ú
	Rd A0:Page2	Langth-OMI (a)	0			0 00	00	00	00 0	0 0	00 00	00	00	00	00	00 00	00	00	
reading128		Length-Copper	(a): 0				1.0			19110							100		
ng Success		Wavelength(nm)	1310.00																
y OPM information0	CHICCECC																		
v OPM information0	SUCCESS																		
y OPM information0																			
ry OPM information0																			
ry OPM information . 0																			
ry OPM information0																			
~																			

Figure 45

3. Save Code A0 Page00 and Page02

Taking the example of writing the Cisco QSFP28 100G ER4 code "00 00 10 11" Insert the QSFP28 100G ER4 optical module to the EEPROM Programmer board. 3.1 Import Page00 and Page02 separately for programming (Page00 and Page02 are not

merged). 3.1.1 Select the configuration file "SFP/XFP/QSFP 00001011" corresponding to the QSFP28 100G ER4 code "00001011" (Figure 46)

3.1.2 Click "Export BinFile" to import the Page00 bin (Figure 47)

3.1.3 Uncheck the box for "A0:Page0:128~255" (Figure 48)

3.1.4 Click "Export BinFile" to import the Page02 bin (Figure 49)

3.1.5 Check the box for "A0:Page0:128~255" (Figure 50)

3.1.6 Click "OneShot" and wait for the prompt "Success," indicating that the module programming is complete (Figure 51)

ssword List: SFP/XI	P/QSFP 000010	011				~	00				00				10				11		NO Passwor
					Fi	igu	re	46	3												
					Regi	List	-Page(: 128~	255				_								
						cc ú1	02	03	04	<u>05</u>	08	.07	80	ė9	αA	ġв	0C			ΩF	ASCII
					80	11 CE	07	80	00	00	00	00	00	00	00	03	FF	00	28 0	00	010 1 09(
					90 (00 00	00	66	4F	45	4D	20	20	20	20	20	20	20	20 3	20	FOEM
					AC 2	20 20	20	20	00	00	00	00	51	53	46	50	2D	31	30 3	30	QSFP-100
					130	47 20	45	52	34	2D	53	20	20	31	66	58	00	CE	00 3	28	G-ER4-S 1fXÎ+
1 > QSFP28 ER4				νÖ	ca (04 07	FF	94	31	39	31	30	30	39	39	38	30	31	20 2	20	009#1910099801
名称	修改日期	業型	大小		20 2	20 20	20	20	32	31	30	36	32	35	20	20	зс	10	67 8	8D	210625 <0gi
1910099801	2021-06-25 11:10	WriteM Document		1 KB	10 0	00 00	08	28	06	09	34	41	38	77	A1	CG	BC	SC	12 3	3D	B.0

Rev 1.1



Figure 48



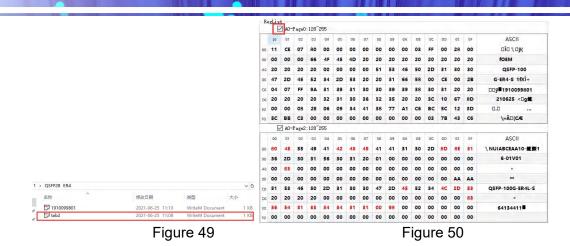




Figure 51

3.2 Import Page00 and Page02 Simultaneously (Page00 and Page02 Merged) 3.2.1 Select the configuration file "SFP/XFP/QSFP 00001011" corresponding to the QSFP28 100G ER4 code "00001011" (Figure 46)

3.2.2 Click "Export BinFile" to import the merged Page00 and Page02 bin (Figure 52) 3.2.3 Click "OneShot" and wait for the prompt "Success," indicating that the module programming is complete (Figure 51)

1	> QSFP28 ER4			v	0
	名称	修改日期	类型	大小	
	1910099801	2021-06-25 11:10	WriteM Document	1	KB
×	📴 Page00 Page02	2021-06-25 11:10	WriteM Document	1	KB
*	🗒 tab2	2021-06-25 11:08	WriteM Document	1	KB





4. Automatic Write Code Page00 and Page02

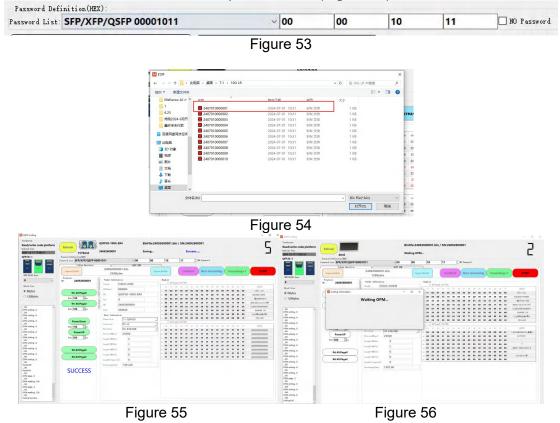
Import Page00 and Page02 for programming (using the example of merged Page00 and Page02)

4.1 Select the configuration file "SFP/XFP/QSFP 00001011" corresponding to the QSFP28 100G ER4 code "00001011" (Figure 53)

4.3 Click "Batch BinFile" to import the first code to be written (Figure 54)

4.4 Insert the module corresponding to the serial number until the programming is complete (Figure 55)

4.5 Wait for the display to show "Finished," indicating that the programming was successful, and then insert the next optical module (Figure 56)



6. QSFP-DD Optical Transceivers Code Reading /Code Saving /Code Writing

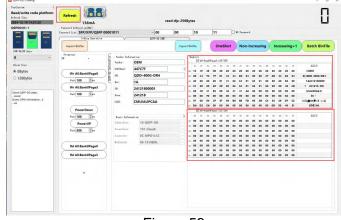
- 1. Read Code A0 Page00 and Page03
- 1.1 Insert the QSFP-DD optical module to be read into the QSFP-DD socket,
- 1.2 Open the "Programming Box V2-20231213" software (Figure 57)
- 1.3 Click "Scan&Connecting" (Figure 58-1)
- 1.4 Click "QSFP-DD Coding" (Figure 58-2)
- 1.5 Click "Refresh"(Figure 59-1) to read A0's Page00 (Figure 59-2) and Page03 (Figure 59--3)

```
M Programming Box V2-20231213 2024-02-27 9:41 应用程序 67,538 KB Figure 57
```



M Test Application Syste 中文&English TestSystem QSFP Coding QSFP-DD Coding SFP Coding XFP Coding Scan SerialPort #1 COM1 通信端口 (COM1) Connected SERIAL CH34 Disconnect #1 Port:通信端口 (COM1)Slot Upgrade 3.3 May 20 2024 09:54:03 Port:US CH340 (COM5)Slot:0-0DevType: 1003 SFP-XFP-OSFP Board . Null SERIAL CH340

Figure 58





Rev 1.1

- 2. Save Code A0 Page00 and Page03
- 2.1 Save Page00 and Page03 separately

Save Page00 Code

- Insert the QSFP-DD optical module to be read into the QSFP-DD socket
- 2.1.1 Click "Refresh" to read Page00 (Figure 60-1 and Figure 60-2)
- 2.1.2 Uncheck the box for "A0-Page3:128~255" (Figure 60-3),
- 2.1.3 Click "Export BinFile" to save Page00 to the computer (Figure 60-4)



eatSystee: ead/write code platform ffresh Tine: 024-12-18 14:26:04	Refresh 137mA	QDD-400G-0		CodingSN Saving	1: 241:	2180	0001		Succe	ss									
SPDD:ID=1	Password Definition(MII): Password List: SFP/XFP/QSFP 000	001011	~ 00	00	1	0		11		04	7	rd							
	Coding Operation	~	0397-00 10		-	_	-												
974 68 97	Import BinFile		30-FF.bin Bytes	4 Expo	rt BinFile	•		0	neSho	:	Non	-Incr	easi	ng	Inc	ease	ing+	1 Batch B	SinFi
OFM WE/RD Rate:	Progressi	~			_	~		_			_			_	_				_
8 ~	53: 24121800001	Vendor Info Vendor: U OUI(Nex):			RegLi		Bank07		28-255										
Black Size:		Vendor:	OEM						04 05	05	07	35 09	04	0.0	0C 1	0	05 07	ASCII	
		G OUT (Nex):	447C7F	2				40	20 20	20	20 1		10	-			20 20		
8Bytes	Wr A0:Bank0Page0	00-445b	ODD-400G-DR4	_	20 20	44	70	75	51 44	44	20 3	4 80	30	47	20 4		12 34	D QDD-400G-	-084
O 128Bytes	Vait 100 Int	1452			AG 20		20	20	81 41	82	R4 8	1 82	81	88			80 30	1A2412180	
		Bev:	1A		81	20	20	20	20 20	82	84 8	1 82	81	88	20 2		18 40		
	Wr A0:Bank0Page3	S#:	24121800001		0 55	49	41		50 48	41	41 4	0 80	00	00	00 0		00 00	UIAUPCAA	
OK A	Vait 100 Dat			_	00 00	00	FO	00	06 00	00	00 0	0 00	00	00	00 0		12 00		
PM writing8 OK	100 -	Date:	241218		10 07	00	08	CF	E7 88	86	EB 7	D 95	28	08	82 2	9 0	07 C2	001-101-1-1-	• 1×Å
PM writing 8		CLET:	CMUIAUPCAA		10 DA	D2	CA	00	00 00	00	00 0	0 00	00	00	OD 0	18 4	18 E1		
OK					3 [NO-	Bank02 a	see3:1	28 255					-					
PM writing8 OK	PowerDown				00	01	02	0.5	04 05	06	07	05 09	DA.	05	ac .		00 07	ASCII	
PM writing8	Vait 100 Uns	Basic Infor	nation		- 00	00	00	00	00 00	00	00 0	0 00	81	80	20 1		3 32	10-332	
ок		Tdantifiar:	18-QSFP-DD	*		20	80	81	45 58	80	20 0	1 00	15	80	81 8		01 00	0-01ES0 D*#	+2
PM writing8 OK	PowerUP			_	AS 00	00	00	00	00 00	00	00 0	0 00	64	00	64 0		54 00	ddd	
PM writing8	Vait 500 Cms	PowerClass:	101-Class6		20 64	00	00	00	21 AF	70	88 3	A CS	00	66	00 0	0 4	-	enkistrib	
OK		Connector:	0C-MPO1x12		0 51	44	44	2D	34 30	30	47 2	D 44	52	84	2D 8	3 3	20 20	QDD-400G-DR	24-5
PM writing8 OK					00 20	20	20	20	00 00	00	00 0	0 00	00	00	00 0	0 0	00 18	D	
OPM writing8	Rd A0:Bank0Page0	MediaTesh:	06-1310EML		10 81	35	35	36	31 38	80	86 8	1 D1	74	80	79 1	7 1	70 70	155618061Nz \	(yCp)
OK	Rd AU:Bank0Page0				10 40	AS	39	AS	39 E8	59	00 0	0 00	00	00	00 0	0 0	00 00	YSELEVO	
owerOff .OK	Rd A0:Bank0Page3																		
PowerOn	Rd Autbankopages																		
ок																			
PM page0 OK																			
PM reading128	SUCCESS																		
ок	JUCCLUU																		
OPM page3																			
PM reading128																			
OK																			
oding Success																			

Figure 60

Save Page03 Code

Insert the QSFP-DD optical module to be read into the QSFP-DD socket

- 2.1.4 Click "Refresh" to read Page03 (Figure 62-1 and Figure 61-2)
- 2.1.5 Uncheck the box for "A0-Page0:128~255" (Figure 61-3),

2.1.6 Click "Export BinFile" to save Page03 to the computer (Figure 61-4)

Read/write code platform «fresh Tie«: 1024-12-18 14:26:04	Refresh 136mA	QDD-400G-E		odingSN aving	1: 241	2180	0001	Su	ccess								
SPDD:ID=1	Password Definition(MEX): Password List: SFP/XFP/QSFP 0		~ 00	00		0	1		-	80 74							
		0001011		00		0			_	100 11	assora						
OTH VE/ED Rate:	Coding Operation		QSFP-DD DOM 80-FF.bin Bytes	4 Expo	rt Binfil			OneS	ihot	N	on-Ir	creas	ing	In	ease	ing+1	Batch BinFi
8 ~	Progress: 58: 24121800001	S Vender Info	mation:	_	Reali				_								
-	24121000001	Vender Info Vender: U ONI(Hex):	OEM		3	D 40-	Back07 age	0:128-2	255								
Block Sire:		G ONT(Beg):	447C7F		00	01	02 03	.04	05	05 07	05	07 0	A .05	0C	00 0	- 07	ASCII
8Bytes	Wr A0:Bank0Page0				80 18	8 4F	45 40	20	20	20 20	20	20 2	0 20	20	20 2	20	DOEM
O 128Bytes		01-4100	QDD-400G-DR4		90 20	44	7C 7	51	44	44 20	84	30 3	0 47	2D	44 F	84	D QDD-400G-DR4
O Izobytes	Vait 100 Cas	Ser:	1A		A1 20		20 20	31	41	32 34	31	82 8	1 38	30	30 3		1A2412180000
	Wr A0:Bank0Page3				80 31		20 20	20	20	32 34	31	32 3	1 38	20		4D	1 241218 CM
OK A		S#:	24121800001		C0 55		41 55	50	43	41 41	AO	30 0	0 00	00	00 0		UIAUPCAA 0
OPM writing8	Vait 100 🗘 ns	Date:	241218		00 00		F0 00	06	00	00 00	00	00 0	0 00	00		: 00	80 -
OK		CLEI:	CMUIAUPCAA	-	10 07		08 CI		88	86 E8	70	95 2	8 C8			7 C2	COT¢@TRI#+È \)×Â ÚÒÈCHÁ
DPM writing8 OK		CLEI.	CMOIADFCAA				CA 00			00 00	00	00 0	0 00	0D	03 4	8 E1	UGEUHa
OPM writing8	PowerDown						Back07 eg									-	
OK				2	00		02 01		05	05 07	08	09 0	A 08	0C	00 0		ASCII
OPM writing8	Fait 100 - ns	Basic Infor			80 00		00 00		00	00 00	00	00 3	1 30	2D		32	10-332
OPM writing8	PowerUP	Identifier:	18-QSFP-DD	-	90 30	2D	30 31	45	53	30 20	01	00 1	F 80	81	82 0		0-01ES0 []*±2
OK OPM writing8		PewerClass:	101-Class6		A1 00	00	00 00	00	00	00 00	00	00 6	4 00	64	00 6		ddd
OPM wnting8	Vait 500 0 ms			_	00 6 4	00	00 00	21	AF	7C 88	8A	CS C	0 66	00		AA A	d!] @:Af**
OPM writing8		Connector:	0C-MPO1x12	*	C0 51	44	44 20	34	30	30 47	2D	44 8	2 84	2D		20	QDD-400G-DR4-S
OK OPM writing_8		MediaTech:	06-1310EML	v	00 20	20	20 20	00	00	10 10	00	00 0	0 00	00		18	D 155618061Ñz \ yOp)
OPM wnting8	Rd A0:Bank0Page0)			00 31	35 A5	35 34 39 A1	31		59 00	00	00 0				0 7D	155618061Nz \ y(p)
PowerOff					10 44				80				0 00		~ ~		Q+PLPC!
OK PowerOn	Rd A0:Bank0Page3)															
.OK																	
OPM page0																	
OK OPM reading128	SUCCESS																
OK	SUCCESS																
OPM page3																	
OK OPM reading128																	
OK																	
Coding Success																	

Figure 61

2.2 Merge and Save Page00 and Page03

Saving Page00 and Page03 Codes Simultaneously

Insert the QSFP-DD optical module to be read into the QSFP-DD socket,

2.2.1 Click "Refresh" to read Page00 and Page03 (Figure 62-1)

2.2.2 Click "Export BinFile" to save Page00 and Page03 to the computer (Figure 62-2)



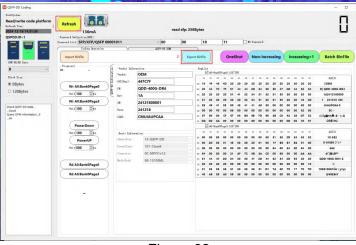


Figure 62

3. Write Code Page00 and Page03

Taking the example of writing the Cisco QSFP-DD 400G DR4 code "00 00 10 11" Insert the QSFP-DD 400G DR4 optical module to the EEPROM Programmer board.

3.1 Import Page00 and Page03 separately for programming (Page00 and Page03 are not merged)

3.1.1 Select the configuration file "SFP/XFP/QSFP 00001011" corresponding to the QSFP-DD 400G DR4 password of 00001011 (Figure 63)

3.1.2 Click "Export BinFile" to import the Page00 bin (Figure 64)

3.1.3 Uncheck the box for "A0:Page0:128~255" (Figure 65)

3.1.4 Click "Export BinFile" to import the Page03 bin (Figure 66)

3.1.5 Check the box for "A0:Page0:128~255" (Figure 67)

3.1.6 Click "OneShot" and wait for the prompt "Success," indicating that the module programming is complete (Figure 68)

Password Definition(HEX) Password List: SFP/XFP/QSFP 00001011 ~ 00 00 10 11 NO Password Figure 63 ASCI DOEM 20 20 20 20 20 20 20 20 20 20 44 70 76 44 44 2D 30 30 47 20 44 52 34 D QDD-400G-DR4 1A2412180000 20 20 20 32 34 31 32 31 30 30 30 20 41 38 30 31 20 20 20 20 20 32 34 31 32 31 38 20 20 43 4D 1 241218 CM 55 49 41 55 50 43 41 41 AO 30 00 00 00 00 00 00 UIAUPCAA 0 00 00 F0 00 06 00 00 00 00 00 00 00 00 00 82 00 30 -UDICHETE: +È -)×Â 07 00 08 CF E7 88 B6 EB 7D 95 2B C8 82 29 D7 C2 DA D2 CA 00 00 00 00 00 00 00 00 00 00 00 03 48 E1 ÚÒÊDHá Figure 64 Figure 65 A0-Bank0Page0:128~255 ASCI 44 44 D QDD-400G-DR4 20 7C 7F 51 2D 34 30 30 52 34 20 20 31 41 32 34 31 32 31 38 30 1A2412180000 此电脑 > 桌面 > 2 > QSFPDD-400G-DR4 > 03 80 31 20 20 20 20 20 32 34 31 32 31 38 20 20 43 4D 1 241218 CM 在 03 中接索 50 43 41 oc 0 55 55 41 A0 30 00 00 UIAUPCAA O 8:: **•** 00 F0 00 06 00 00 08 CF E7 88 00 00 00 00 00 00 00 00 00 82 00 ān -7D 95 28 □□ĭç∰1ĕ}■+È •)×Â D.A CA 00 00 00 00 00 00 00 00 0D 03 ÚÒÊDH D2 Figure 66 Figure 67



ead/write code platform fresh Tise 224-12-18 14:59:55	Refresh 136mA	QDD-400G-D 24121800001		odingSI aving	N: 241	2180	000	1	Succ	ess	-								
SPDD:ID=1	Terrard List SFP/XFP/QSFP 00	001011	~ 00	00		0		11		1	× 1.								
	Coling Operation		2177-10 10M	100		•													
1775 TOT 177	Import Binfile	2412180 1288	0001.bin	Бр	ort BinFil	•	1	0	neSh	ot	N	on-I	ncre	asin	9	Inc	ase	ing+1	Batch BinFil
•	24121800001	F Vendor Infor	OEM		Ingl	et E AD-1	-	Cugar	20,528										
lock Size							42	40	04 0	0 06			10	01.	-	00 1	0 1	e or	ASCII
88ytes		2 000 Ofen):	447C7F		10 11	- 40	45	40	20 2	0 20	20	20	20	20	20	20 2		0 20	DOEM
128Bytes		18	QDD-400G-DR4		10 21	44	70	79	51 4	4 44	20	34	30	30	47	20 4	4 1	2 54	D QDD-400G-DR4
Tzobytes	Veit 100 Des	S 240	1A		AC 21	20	20	20	31 4	1 32	34	31	32	31	38	30 0	0 3	0 50	1A2412160000
	Wr A0 Bank0Page3	28	24121800001		10 \$	20	20	20	20 2	0 82	84	81	82	81	88	20 2		3 4D	1 241218 CM
K A	Vit 100 2 m				c: \$1	5 49	41	55	50 4	3 41	41	A0	80	00	¢C	00 0	0 0	0 00	UIAUPCAA 0
d writing_8	100 Xel	Date:	241218		00 01	00 0	P0	00	06 0	0 00	00	00	00	00	00	00 0		2 00	80 -
twiting_8		CLET	CMULAUPCAA		= 0	00	05	CP	87 8	8 84		70	95	28	C8	82 2		7 C2	D01cm10/8+8 -)+A
c d witing .8	PowerDown					N D2				0 00	00	00	00	00	00	00 0	8 4	8 81	üblicies
<						☑ A0H	Sunk Of	Cede2											
d writing_8	Fuit 100 Das	Santo Inform	atim:				42	42	04 0	0 00	er			0.5		0C 1		e 01	ASCI
writing_0	PowerUP	Identifier:	18-QSFP-DD		10 66		00	00	00 0	0 00	00	00	60	81	80	20 1		8 82	10-332
K M writing_8	Vuit 500 Dies	Towardians:	101-Class6		10 31			31	45 5	3 30	20	01	00		80			1 00	dial of the second seco
K	100 200	Consector:	0C-MPO1x12															A AA	118.4**
d witing_8		RedisTech:	06-1310EML			44	44	10			47	20	44	67		20 1		0 20	000-1005-084-5
d writing_0	Rd A0:Bank0Page0	APRIL 11 PLA	TAG-13 LAEWIT	-	20 21	20	20	20	00 0	0 00	00	00	00	00	00	00 0		0 18	0
K d writing_5	No Micoantorageo					35	15	34	21 2	8 80		21	D1	76	80	79 1	7 7	0 70	155618061Rg \ vCal
ĸ	Rd A0:Bank0Page3				10 44	A 4		A3		8 89	00	00	00	00	00	00 0		0 00	OVPADAY
M writing_8 we011 K we010 M page.8 M mading_118 M page.3 M page.3 M mading_1128 M mading_1128 M mading_1128 M mading_1128 M mading_1128 K	SUCCESS																		

Figure 68

3.2 Import Page00 and Page03 Simultaneously (Page00 and Page03 Merged) 3.2.1 Select the configuration file "SFP/XFP/QSFP 00001011" corresponding to the QSFP-DD 400G DR4 password of "00001011" (Figure 64)

3.2.2 Click "Export BinFile" to import the Page00 and Page03 bin (Figure 69)

3.2.3 Click "OneShot" and wait for the prompt "Success," indicating that the module programming is complete (Figure 68)

> IEC:	电脑 > 桌面 > 2 > QSFPDD-4000	5-DR4 →	~	Ō	在 QSFPDD-4	400G-DR4 F
夹						
^	名称	修改日期	类型	大小		
	00	2024-12-18 14:16	文件夹			
	03	2024-12-18 14:25	文件夹			
	PO P3 all	2024-12-18 14:41	WriteM Document		1 KB	

Figure 69

4. Automatic Write Code Page00 and Page03

Import Page00 and Page03 for programming (using the example of merged Page00 and Page03)

4.1 Select the configuration file "SFP/XFP/QSFP 00001011" corresponding to the QSFP-DD 400G DR4 password of "00001011" (Figure 70)

4.2 Click "Batch BinFile" to import the first code to be written (Figure 71)

4.3 Insert the module corresponding to the serial number until the programming is complete (Figure 72)

4.4 Wait for the display to show "Finished," indicating that the programming was successful, and then insert the next optical module (Figure 73)

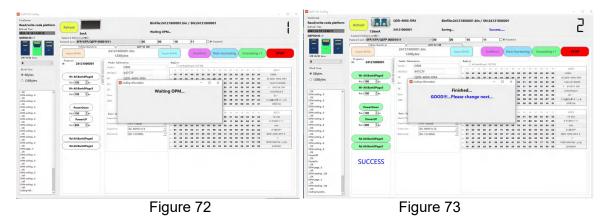
00 1	10 1	1	NO Password
(00	00 10 1	00 10 11

Fig	ure	70
1 19	uic	10

↑		0G-DR4 → 00	~	0 在 00 中	搜索
新建文件夹					800
* ^	名称 个	修改日期	类型	大小	_
	24121800001	2024-12-18 14:15	WriteM Document	1 KB	
	24121800002	2024-12-18 14:15	WriteM Document	1 KB	
	24121800003	2024-12-18 14:15	WriteM Document	1 KB	
ramming	24121800004	2024-12-18 14:15	WriteM Document	1 KB	
	24121800005	2024-12-18 14:15	WriteM Document	1 KB	
ive - Pers	24121800006	2024-12-18 14:15	WriteM Document	1 KB	
	24121800007	2024-12-18 14:15	WriteM Document	1 KB	
象	24121800008	2024-12-18 14:15	WriteM Document	1 KB	
~	24121800009	2024-12-18 14:15	WriteM Document	1 KB	



Figure 71



7. Custom Passwords with Configuration File

If you need to customize the configuration file password, for example, if the SFP module programming password is 12345678, then you need to create a configuration file with the password 12345678.

1. Click to open the "Password List" (Figure 74)





2. In the "Password Remark" field, enter the desired name, such as "SFP 12345678," then input the hexadecimal password "12345678". Afterward, click confirm to generate the configuration file for "SFP 12345678" (Figure 75)

