

CodingBox Script

Script Editing Specification

by sfpcodingbox.com

1. General Functions

1. Basic Read/Write Commands

No.	Commands	Commands Description
1	Read slave-address	Full range registers of the specified slave-address read.
2	Read slave-address sub-address	Random address read.
3	Read slave-address start-address length	Number of continuous address read.
4	Write slave-address sub-address data	Random address write.

1. 1. Read slave-address

- **Format**

Read slave-address

- **Parameters**

Parameters	Description
slave-address	A0 or A2 for SFP and CSFP OPTION1; A0 for XFP and QSFP; A0, A2, B0, B2, 12 for CSFP OPTION2.

- **Examples**

If “Read A2” in case of inserting a SFP, it means read the all registers’ data from the A2 of the SFP module .

1. 2. Read slave-address sub-address

- **Format**

Read slave-address sub-address

- **Parameters**

Parameters	Description
slave-address	A0 or A2 for SFP and CSFP OPTION1; A0 for XFP and QSFP; A0, A2, B0, B2, 12 for CSFP OPTION2.
sub-address	A value between 00 and FF. This is a hexadecimal number.

- **Examples**

If “Read A2 7F” in case of inserting a SFP, it means read 7F register’ s data from the A2 of the SFP module .

This command can read the specified number of registers at a time when you write a series of commands in a EZS file. The following example can achieve reading the value of registers 33 66 7F:

Read A2 33

Read A2 66

Read A2 7F

1. 3. Read slave-address start-address length

- **Format**

Read slave-address start-address length

- **Parameters**

Parameters	Description
slave-address	A0 or A2 for SFP and CSFP OPTION1; A0 for XFP and QSFP; A0, A2, B0, B2, 12 for CSFP OPTION2.
sub-address	A value between 00 and FF. This is a hexadecimal number.
length	A number. It defines the number of consecutive read registers.

- **Examples**

If “Read A2 33 8” in case of inserting a SFP, it means read 33 34 35 36 37 38 39 3A register’s data from the A2 of the SFP module .

1. 4. Write slave-address sub-address data

- **Format**

Write slave-address sub-address data

- **Parameters**

Parameters	Description
slave-address	A0 or A2 for SFP and CSFP OPTION1; A0 for XFP and QSFP; A0, A2, B0, B2, 12 for CSFP OPTION2.
sub-address	A value between 00 and FF. This is a hexadecimal number.
data	A hexadecimal that needs to be written to specified sub-address.

- **Examples**

If “Read A2 7F 02” in case of inserting a SFP, it means write 02 to 7F register’s data from the A2 of the SFP module.

This command can write the specified number of registers at a time when you write a series of commands in a EZS file. The following example can achieve writing 00 to the register 7B, 22 to the register 7C, 33 to the register 7D, 44 to the register 7E:

Read A2 7B 11

Read A2 7C 22

Read A2 7D 33

Read A2 7E 44

2. Customized Functions

2. Special Customized Commands

No.	Commands	Commands Description
1	SFP-10G-T Update	Update the Firmware of the specified SFP-10G-T module with PHY chip

- **Description**

The commands introduced in this section are custom special features. It is used under specific circumstances and needs. Advanced permissions are required to execute these commands. If you need to execute these specific commands, please generate a user account through register function below the help menu, then contact us to get permission.

2. 1. SFP-10G-T Update

- **Format**

SFP-10G-T Update

- **Examples**

If “SFP-10G-T Update” in case of inserting a specified SFP-10G-T module, it means update the new Firmware to the SFP-10G-T module.

Notes

- **Edit**

✓ All commands do not distinguish between uppercase and lowercase letters.

- **Revision**

Revision	Description	Date
1.0	In preparation,for reference only.	May 16, 2018
1.1	Add “SFP-10G-T” command.	July 23, 2018

1. General Functions.....	1
1. BASIC READ/WRITE COMMANDS.....	1
1. 1. <i>Read slave-address</i>	1
1. 2. <i>Read slave-address sub-address</i>	1
1. 3. <i>Read slave-address start-address length</i>	2
1. 4. <i>Write slave-address sub-address data</i>	2
2. Customized Functions.....	3
2. SPECIAL CUSTOMIZED COMMANDS.....	3
2. 1. <i>SFP-10G-T Update</i>	3
Notes.....	3
● EDIT.....	3
● REVISION.....	3