

Interfacing FlashRunner 2.0 with EEPROM_I2C devices

Algorithm Notes

Below the protocol supported:

- I2C up to 1MHz

Commands List

Please refer to `HELP libeeprom_i2c.so` command.

Memory types: E → EEPROM

CONNECT

Connect command: Power-on and check communication with the device.

PROGRAM

`PROGRAM <E | S> <startAddr> <size>`

Program command: write data into the memory.

VERIFY

`VERIFY <E | S> R <startAddr> <size>`

Verify Readout command: verify memory content by reading every byte of the memory.

READ

`READ <E | S> <startAddr> <size>`

Read command: read the memory and print the value into the terminal

DUMP

`DUMP <E | S> <startAddr> <size>`

Dump command: read the memory and store the data into a binary file.

READ

`READ UID`

Read UID register command: read the value of the UID register (only for M24LRxxx memories).

PROTECT

`PROTECT <32-bit password>`

Set a new I2C password (this can also be done by directly programming system memory) (only for M24LRxxx memories).