User manual

Floppy to USB emulator

Model:
SFR1M44-U100K code*: U00
SFR1M44-U100K-R code: U01
SFR1M44-TU100K code: U02

Floppy driver with below function needed:

- Floppy driver with 34pin interface, and 5V DC power plug (example: SONY YE-DATA
  ALPS TEAC EPSON PANASONIC NEC )
- Use 2HD floppy disk with 1.44MB capacity
- Format of disk : Cylinders: 80    Tracks: 160    Sectors/Track: 18    Bytes/Sector: 512 Data
  transfer rate: 500 kbps    Encoding method: MFM.

Features:

- Use normal usb flash drive as the medium for transfer design.
- 34pin floppy driver interface, 5V DC power supply, easy to install.
- Capacity: 1.44MB 2HD Cylinders: 80 Tracks: 160 Sectors/Track: 18 Bytes/Sector: 512 Data
  transfer rate: 500 kbps Encoding method: MFM.
- 1000pcs partitions in usb flash drive can be used.
- Built-in self-format function. (read relevant documents to use this function)
- Jumpers with function for different machines(SFR1M44-U100K not support jumpers).

Panel:

8segment numbers: represent partitions number
Green led: status of read and write operation
USB port: connect usb flash drive
Button:
Left button used to rise ten-digit, right button used to rise single-digit, press 2 button together to
rise hundred-digit.

Operation :

- Format usb flash drive.
  1. use built-in self-format function to format usb flash drive into 1000pcs partitions.
2. use software in CD format usb flash drive under WINDOWS XP/2000, into 000-099 100pcs partitions.
3. install an emulator on computer, and format every partitions by operate driver A:
4. use emulator UFA1M44-100, plug usb flash drive on it, connect to computer, it will recognized as removabe driver A: or B: under WINDOWS XP/2000/7, format every partitions. UFA1M44-100 also built in self-format function.

- **Read and write data.**
  1. install emulator on machine
  2. install emulator on computer
  3. connect usb flash drive on computer, read and write data directory by software, under WINDOWS XP/2000
  4. use emulator UFA1M44-100, plug usb flash drive on it, connect to computer, read and write data under WINDOWS XP/2000/7.

**Jumper setting: (SFR1M44-TU100K SFR1M44-U100K-R)**

- **J5:** ---
- **JA:** set to generate READY signal on 34pin of floppy driver interface
- **JC:** ---
- **JB:** ---
- **S0:** Driver select 0
- **S1:** Driver select 1
- **MO:** Motor

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**Firmware version of emulator:**

Keep pressed 2 button together, power on, 8segment numbers will display firmware version and data of emulator to detect different model.

**Error code:**

E0: no specified file in usb flash drive  
E16: built-in memory fault