



# TopMax III

## EXPERT UNIVERSAL DEVICE PROGRAMMER



### Extremely fast

- *Concurrent Universal Device Programmer*
- *Extremely fast SPI, QPI Serial memory support*
- *MX25L12835FM(SPI), P:41.8 V:6.2*
- *MX25L12835FM(QPI), P:37.6 V:2.1*

TopMax-III is a high-speed universal device programmer for USB 1.1/2.0/3.0 PC-interface. It programs a 64Mbit (AM29LV641) flash memory in 42 seconds. This is a true low-cost production oriented system. The TopMax-III meets the demands of today's programming solution for lab and production line applications.

TopMax-III is a software driven device programmer that support a wide variety of programmable devices including: EPROM, EEPROM, Serial PROM, EPLD, PEEL, GAL, FPGA, and single chip Microcontroller. The great advantage of this programmer is its programming speed and superior software. It's controlled via a host IBM PC or compatible computer. The operating software has a user-friendly interface that includes window pull-down menus and virtual memory management to deal with very large files.

# Key Features

## Software

- Auto Search Device Select function supports E(E)PROMs & Microcontrollers
- Device Insertion Test identifies improperly inserted device before programming
- Gang Program Mode allows programming up to 8 sockets concurrently (START ALL Key enables to program the programmers simultaneously)
- Checks for incorrect device insertion, backward, incorrect position, and poor pin contact.
- Device Operations: Read,Blank check, Program, Verify, Checksum, Data compare, Security, Auto(blank checkprogram- verify), Option Bit program.
- Displays programming parameters and optional bit information on the screen.
- Sets device/buffer address ranges before programming devices.
- User-changeable programming parameters.
- Built-in editor for both buffer data and test vectors.
- Supports Binary and all hex files (POF and JEDEC, Intel Hex, Motorola S Records, Tekhex , straight hex, hex-space, Extended Tekhex, and others, automatic file type recognition) with Load,Edit, and Save commands.

## Hardware

- One on-board FPGAs for extremely fast communication.
- Supports real low-voltage such as 5, 3.3, 2.7, 1.8 volts for programming power
- Detects all pin locations for poor or damaged pin contacts
- External START Key allows production programming mode
- Internal universal power supply,110-240 VAC (no separate power supply required in foreign country)
- Current limiting protects hardware circuit from improperly inserted or defective chips and operation errors
- Standard 48-pin ZIF(Zero Insertion Force) socket accepts both 300mil and 600 mil DIP devices
- True universal pin driver hardware
- Hardware diagnostic program exams all socket-pin drivers before using programmer

## Devices & Adapters

- M25Pxx, MX25Lxx, S25LFxx, SST25VFxxx
- NAND Flash Memory Samsung K9Kxxx, K5Axxx, K5Fxxx, M-System MDOC-256 / 512 / 1G / 2G  
Toshiba TC58xxx St-Micro NAND01G / 02G / 04G
- 28Fxxx, 29Fxxx, 38Fxxx, 29LVxxx, 26LVxxx, 29GLxxx, 29ALxxx, 29Wxxx, 36xxx, 32HFxxx, 34VFxxx, 37VFxxx, 39SFxxx, 39VFxxx, 45LFxxx, 49LFxxx, 50FWxxx
- 27xxx and 27Cxxx series, from 16 Kbit to 32Mbit with 8-bit/16-bit
- 256 Kbit to 32 Mbit 28Fxxx, 29Fxxx, 29Cxxx, 29BVxxx, 29LVxxx, 29Wxxx, 49Fxxx series (1.5, 1.8, 2.7, 3.3, 5.0, or 12 Volt)
- 24Cxx, 24Fxx, 25Cxx, 59Cxx, EPC1/1213/1648, and 93Cxx
- 27Sxx, 7Cxxx, 71xx, 74Sxx, 87Sxx, 82Sxx,
- ispLSI(10/20)xx, ispGAL22V10, ispGDS1(2)x, LC40(41)xx M4Axxx series
- PEELs 153, 173, 253, 273, 18CV8, 20CG10 series
- EPLDs PLCxxx, PLSxxx, PLUSxxx, Epxxx, EPCxxx, EPMxxx, PLDxxx, 5Cxxx, 85Cxxx series
- TSOP, BGA, QFP, TSOP2, FBGA, TQFP, CSP, uBGA, PLCC, SOIC, EBGA, PoP, SSOP, TFBGA and more

## Specifications

### Dimension

- TopMax III : 5.5"(L) x 8.14"(W) x 1.63"(H) ,(140mm(L) x 207mm(W) x 41.45mm(H))

### System requirements

- A hard disk drive (4 Megabytes) is recommended for software installation / set up
- PC RAM size: 512K of conventional memory
- OS: WINDOWS 7,8 or 10

### Electrical Requirements

- Operation Voltage : 90~264VAC , Frequency Range : 47~63Hz , Power Consumption : 100W

### Warranty

- One year hardware warranty



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