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 check program- 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 300 mil and 600mil DIP devices
• True universal pin driver hardware
• Hardware diagnostic program exams all socket-pin drivers before using programmer

Devices & Adapters

• M25Pxx, MX25Lxx, S25LFxx, SST25VFxxxx
• NAND Flash Memory Samsung K9Kxx, KS4xx, KSFx, M-System MDOC-256 / 512 / 1G / 2G
  Toshiba TCS8xxx St-Micro NAND01G / 02G / 04G
  28Fxxxx, 29Fxxxx, 38Fxxxx, 26LVxxxx, 29GLxxxx, 29ALxxxx, 29Wxxxx, 36xxxx, 32HFxxxx, 34VFxxxx, 37VFxxxx, 39SFxxxx,
  39VFxxxx, 45LFxxxx, 49LFxxxx, 50FVxxxx
  27xxxx and 27Cxxxx series, from 16 Kbit to 32 Mbit with 8-bit/16-bit
  256 Kbit to 32 Mbit 28Fxxxx, 29Fxxxx, 29Cxxxx, 29BVxxxx, 29LVxxxx, 29Wxxxx, 49Fxxxx series (1.5, 1.8, 2.7, 3.3, 5.0, or 12 Volt)
  24Cxx, 24Fxx, 25Cxx, 59Cxx, EPD1/12/13/16/18, and 93Cxx
  27Sxx, 7Cxx, 71xx, 74Sxx, 87Sxx, 82Sxx,
  isplSI(10/20)xx, ispGAL22V10, ispGDS1(2)xx, LC40(41)xx M4Axxxx series
  PEELs 153, 173, 253, 273, 18CV8, 20CG10 series
  EPLDs PLCxxx, PLSxxx, PLUSxxxx, Epxxx, EPxxxx, 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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