TopMax

TopMax is one of the most reliable and long lasting instruments.
It is software expandable universal device programming workstation that supports a wide variety of programmable devices in addition to the capability of testing digital ICs. The **TopMax** is a low-cost and high-performance programmer available today.

PRODUCT HIGHLIGHTS

- Universal Device Programmer for 48-pin Textool Socket
- Test TTL, CMOS Logic Devices
- Test Dynamic, Static Memory Devices
- Support PC Parallel port
- Win 95 / 98 / NT / 2000 / XP
- Internal (110 – 250 VAC) switching power supply

DEVICES PROGRAMMED

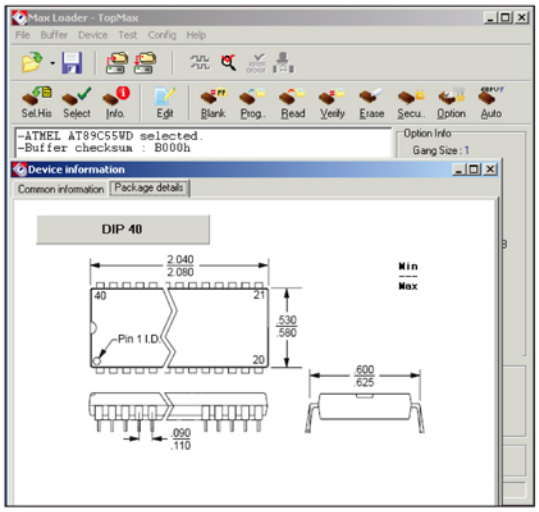
- SAMSUNG NAND K5Axx / K5Dxx / K9Fxx / K9Kxx / KABxx Series
- EPROM / EEPROM / Flash EPROM / Serial E(E)PROMs
- Bipolar PROM
- PALs, PALCEs, GALs
- Dallas NV RAMs
- PEELs / EPLDs / SPLDs, CPLDs
- MACH series / MAX series
- 8741, 8742, 8748, 8749 series
- 87C51/52, -FA, -FB, -FC, '528, '652, '654, '54
  89Cxx, 89Sxx, 89LVxx, 89Cxxxx series
  87C751/752
- ST62xx series
- Xilinx XC72xx, XC73xx series
- WSI's PSD3xx series
- PIC12Cxxx, PIC16xxx, 17xxx series
- MC68705, MC68HC705, MC68HC711 series
- Z86Cxx, Z86Exx series

DEVICES TESTED

- TTL type
  54, 74(S, LS, L, H, HC) series
- CMOS type
  40, 45 series
- Dynamic Memory
  4164 - 1MBit
- Static Memory
  6116 - 6256
- User definable test pattern generation

KEY FEATURES

- Auto search device select function supports E(E)PROMs & Microcontrollers.
- Device insertion test identifies improperly inserted device before programming.
- Programs 8 devices at once (optional).
- Check for incorrect device insertion, backward, incorrect position, and poor pin contact.
- High-speed device function tests and user creatable test library.
- Device Operations: Read,Blank check, Program, Verify, Checksum, Data compare, Security, Auto(blank check-program-verify), Option Bit program.
- Display programming parameters and optional bit information on the screen.



- Set device/buffer address ranges before programming devices.
- Auto Programming for production programming.
- User-changeable programming parameters.
- Built-in editor for both buffer date and test vectors.
- Support Binary and all hex files (POF and JEDEC, Intel Hex, Motorola S Records, Tekhex) with Load,Edit, and Save commands.
- Supports real 5, 3.3, 2.7, and 1.8 volt for programming power.
- Detects all pin locations for poor or damaged pin contacts.

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- 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.
- 48-pin ZIF(Zero Insertion Force) socket accepts both 300mil and 600 mil DIP devices up to 48 pins.
- Hardware diagnostic program exams all 48-pin drivers before using programmer.

PROGRAMMING SPEED (100 % data in memory) min:sec.00

Device P/N	Read	Blank	Prog	Verify	Erase
AM29F032B	4.70	4.80	56.24	4.73	38.16
AM29LV128ML	6.70	6.65	03:26.00	6.65	-
AM29LV256MH	17.41	16.00	04:06.16	16.77	-
AM29LV641DH	4.20	4.43	42.02	4.44	-
AM29LV641DH (TopMax)	01:40.00	01:38.00	04:48.54	01:42.00	-
E28F128J3A	9.93	7.49	1:55	7.75	01:43.30
E28F128J3C	9.93	7.49	02:01.80	7.75	30.31
E28F640J3C	4.27	4.09	70.02	4.19	17.5
K8D3216UTC-T	2.47	2.47	22.17	2.51	-
MX26L004BQC	0.81	0.81	28.24	0.81	31.87
MX29LV641MH	-	4.86	01:10.40	4.83	-
RD38F2040	3.09	3.09	18.71	3.09	53.47
RD38F4050	18.81	18.08	02:55.4	18.30	04:41.8

* Programming Speed With 100% Data in Memory , Times in sec.

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