SUPERPRO® /9000U

Stand-Alone 48pin Universal Gang Programmer

FEATURES

* **Four independent programming modules in one unit:** 4 independent high-speed MCUs to process algorithm for each socket. Synchronous and Asynchronous programming/verification modes available. In the Asynchronous mode operation, each socket operates as an independent programmer, detecting the chip inserted, errors checked, and begins to program automatically. Minimal operator interaction is needed from the beginning to the end.

* **PC or Stand-alone mode operation selectable:** The programmer may be operated from a PC connected via a USB port or in Stand-alone mode without a PC attached. In stand-alone mode operation, operator interaction is done via the onboard keyboard and LCD display. Stand-alone mode operation is suitable for volume production.

* **Reliable and data safe operation:** Program data stored in the onboard Compact Flash card (64MB standard and expandable) can not be tampered with by the operator ensuring the reliability of data. Also, the cards may be removed for safekeeping when not in use.

* **Project file:** includes device specific and programming information including program data, device-programming algorithm, programming parameters, etc. Use of project file minimizes the chance of operator error.

* **Supports 30,000+ devices and growing:** Devices include Flash, NAND flash, Serial, E(E)PROM MEMORY, MCU, PLD etc. from 162+ IC manufacturers. Devices down to 1.5V are supported directly. Free device update downloadable from web.

* **Ultra high programming speed:** Programs high-density Flash memory devices at near theoretical minimum programming times (Program +Verify INTEL28F320W18, 32Mb in less than 13 s)

* **Socket adapters available:** for all types of packages including FBGA, TSOP, QFP, PLCC, SOIC, etc.

* **Device Safety:** Automatic pin continuity and wrong chip insertion check prevent chips from accidental damage.

* **Over-current and over-voltage protection:** for programmer hardware.

* **Operator friendly control software:** combines many powerful functions for ease of use. Project file minimizes the process of device selection, file loading, device configuration setting, operation option, batch file setting etc. to a single step. Batch command combines device operations like program, verify, security into a single command. Auto-Start begins batch operation automatically as soon as the chip is inserted in the socket. Proper device ID is displayed when a mismatch is detected in the device inserted. With the use of the optional open API, a user may alter data buffer content from chip to chip in order to program serial numbers. Data file format and offset is detected and implemented automatically.

SPECIFICATIONS

Supported devices: EPROM, EEPROM, Serial EPROM, Paged EPROM, Serial PROM, FLASH EPROM(NOR and NAND), NONVRAM, SPLD, CPLD, EPLD, Firmware HUB, MCU, Microcontroller, SRAM and Standard logical device. With voltages down to 1.5V.

Packages supported: DIP、SDIP、PLCC、JLCC、SOIC、QFP、TQFP、PQFP、VQFP、TSOP、TSOPII、SOP、PSOP、TSSOP、SON、EBGA、FBGA、VFBGA、UBGA、CSP、SCSP etc.

PC interface: USB

Stand-alone mode interface: LCD display with 16 Characters by 4 lines, 6 key keyboard, 4 Compact Flash cards expandable to 256Mb (Option).

Standard Package includes: Programming unit, power adapter and AC cord, , USB cable, User's Guide, software CD.

ESD strap jack

Optional accessories: Socket adapters

Electrical spec. of the external power adapter: AC input 90V to 250V, 50/60Hz, DC output 24V/5A

Mechanical parameters: Programming unit: Size: 538 × 196 × 66mm   Weight: 3.1Kg
                             Packing Box: Size: 608 × 360 × 148mm   Weight: 8.5Kg

CE approved

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