

SUPERPRO[®] / 5000

USB 2.0 Interfaced, ultra-high speed stand-alone universal device programmer, built-in 144 universal pin drivers.

- ◆ Programs and Verifies 64 Mb NOR FLASH memory in 11.3 seconds and 1 Gb NAND Flash in 108 seconds
- ◆ Built-in 144 universal pin-drivers
- ◆ Supports more than 42,000 IC devices from 150+ manufacturers
- ◆ Programs devices with Vcc as low as 1.2V
- ◆ The programmers in one: PC hosted mode or Stand-Alone mode.



SUPERPRO[®] /5000

Features:

- ※ Supports 41,882 IC devices from 147 manufacturers and continuing.
- ※ Programs devices with Vcc as low as 1.2V.
- ※ Ultra fast programming speed: Programs and verifies 64 Mb NOR FLASH memory in 11.3 seconds and 1 Gb NAND Flash memory in 108 seconds.
- ※ Built with 144 universal pin-drivers for support of today's most complex devices. Universal and device independent socket adapters are available for various packages up to 144 pins.
- ※ The programmer operates in either PC hosted mode or stand-alone mode.
 - Under PC hosted mode, a PC controls the programmer via a high-speed USB2.0 connection to program a chip.
 - Under stand-alone mode, the user controls the programmer via 20-characters, 4-line LCD display with 6-KEY keypad. A CF (compact flash) card stores the project files. In stand-alone mode, the user can operate multiple units to construct a concurrent multiprogramming system.
- ※ ISP/ICP programming capability through optional ISP/ICP adapter.
- ※ Only IC manufacturer approved programming algorithms provide high reliability. Vcc verification at (+5%~-5%) and (10%~-10%) enhances programming reliability.
- ※ Provides over-current and over-voltage protection for safety of the chip and programmer hardware.
- ※ Compatible with Windows Vista and Windows XP
- ※ Includes the following advanced and powerful software functions:
 - Chip operation starts immediately upon proper chip insertion in **Production Mode**.
 - The **Project** function simplifies processes such as device selection, file loading, device configuration setting, program option, and batch file setting into one step.
 - **Password** protection provides security for project files and production volume control.
 - The **Batch** command combines device operations like program, verify, security into a single command at any sequence.
 - **Serial number generators** are available as standard or customer-specific functions.
 - A **Log file** provides quality tracking.

Speed Comparison:

DEVICE	P + V (sec)	TYPE
K8P6415UQB	11.3	64Mb NOR FLASH
AM29DL640G	27.6	64Mb NOR FLASH
K9F1208U0B	67.4	512Mb NAND FLASH
KAP21WP00M	108	1Gb NAND FLASH
K9F1G08U0A	116.5	1Gb NAND FLASH
AT28C64B	0.9	64Kb EEPROM
24AA128	4.5	128Kb EEPROM
B25F640S33	30.4	64Mb EEPROM
AT89C55	7.5	20KB FLASH MCU
ST72F324BK4B5	3.8	32KB FLASH MCU
MB89F538	1.67	32KB FLASH MCU
UPD78F9234	8.8	16KB FLASH MCU

Hardware & Electrical Specifications:

- ※ **Device Supported:** EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration PROM, FLASH memory (NOR & NAND) n, BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic.
- ※ **Package:** DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, SOP,TSOPII, PSOP,TSSOP,SON,EBGA, FBGA, VFBGA, GA, CSP, SCSP etc.
- ※ **PC interface:** USB2.0 (High speed)
- ※ **Stand-alone Memory:** Compact FLASH Card
- ※ **Power supply. AC Adaptor:** Input AC 100V- 240V; Output: 12V/6A.
- ※ **Main unit:** Dimensions 438 * 216 * 94 mm ; Weight 3.5 lbs (1.6 Kg)
- ※ **Package:** Dimensions 550 * 252 * 145 mm; Weight 6.2 lbs (2.8 Kg)

XELTEK

Xeltek Inc.
1296 Kifer Rd.
Unit 605
Sunnyvale CA 94086
Tel) +1 408 530 8080
Fax) +1 408 539 0096
www.xeltek.com

www.xeltek.com