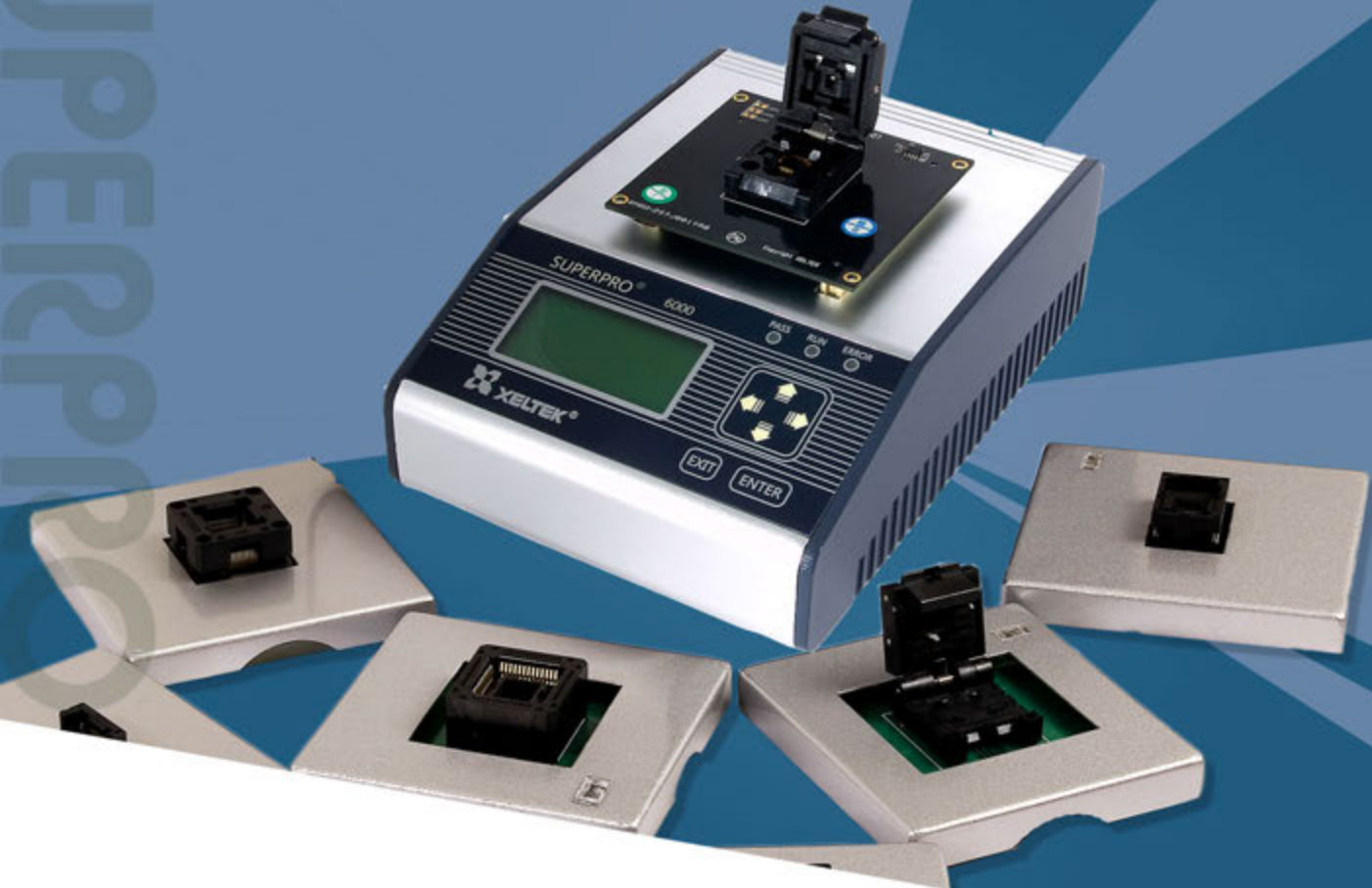# SUPERPRO® 6100

High-Speed Universal Programmer

- **30% faster programming speed** compared to SuperPro5000 with **ARM9 MCU Processor**.
- Supports **eMMC / NAND files** up to **256 GB**.
- Built-in universal 144 pin-driver.
- Operates in **Stand-Alone (no PC required)** or PC mode via high-speed USB2.0 cable.
- In-circuit programming capability (**Serial programming**).
- Cluster 1-15 units for **production floor setups.**
- Free software download link updated bi-weekly.
- Free customer request device support.

XELTEK Corporation

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SUPERPRO

Features:

- SuperPro 6000 supports **90,800+ IC devices** from **324+ manufacturers** and continuing. *
- **30% faster programming speed** compared to SuperPro5000 with ARM9 MCU Processor.
- Supports e**MMC / NAND files** up to **256 GB**.
- Improved universal 144 pin-driver technology provides a cleaner signal, wider voltage range and more accurate clock frequency.
- Two operating modes:
    1. PC mode via USB2.0 port and PC communication.
    2. Stand-Alone mode (**no PC required**). Operates via built-in keyboard, LCD display and removable memory (standard Compact Flash card).Setup is flexible and simple to expand (1-15 units) for large volume production on the factory floor. Projects files (limited only by Compact Flash card capacity limit) are created online and downloaded into the Compact Flash card.
- **Cluster 1-15 units** for volume production.
- Supports Vcc from 1.2V to 5V.
- **In-circuit programming capability** available via ISP/ICP adaptor.
- Only IC manufacturer approved programming algorithms are used for high reliability. (+5%~-5%) and (10%~-10%) Vcc verification enhances programming reliability.

- Powerful yet user-friendly software features streamline operations, improve efficiency and reduce user mistakes during programming procedures.
    Production mode start chip operation upon proper chip insertion.
    Project function simplifies processes such as Device Selection, File Loading, Device Configuration Setting, Program Option, and Batch File Setting into one step.
    Password can be set for project files for volume production control
    Batch command combines device operations like Program, Verify, and Security into a single command at any sequence.
    Serial number generator is available as standard or customer-specific functions.
    Log file is useful for quality tracking.
- Overvoltage / overcurrent and ESD protection to avoid programmer damage.
- Supports Windows XP / Vista / Win7 / Win8.

Xeltek updates software and device algorithms regularly and upon customer's request. General algorithm upgrades are completed within a week.

*Device count as of December 2013. Please check the current device count at www.Xeltek.com.

ProgrammingTime
(Contact Xeltek)

Device	Program + Verify (Sec)	Type
K8P6415UQB		64Mb NOR FLASH
AM29DL640G		64Mb NOR FLASH
K9F1208U0B		512Mb NAND FLASH
KAP21WP00M		1Gb NAND FLASH
K9F1G08U0A		1Gb NAND FLASH
AT28C64B		64 Kb EEPROM
24AA128		128Kb EEPROM
B25F640S33		64Mb EEPROM
AT89C55		20KB FLASH MCU
ST72F324BK4B5		32KB FLASH MCU
MB89F538		32KB FLASH MCU
UPD78F9234		16KB FLASH MCU

Hardware & Electrical Specifications:

- Supported devices include (but not limited to)EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration PROM, FLASH memory (NOR & NAND)n, BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU.
- Packages supported (but not limited to)DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, SOP, TSOPII, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, uBGA, CSP, SCSP.
- NAND Flash library supports dozens of major platforms such as Samsung (XSR1.0/1.6), QualComm, HYNIX (HIFFS), MTK (Solution V1.1), ICERA (v1.0/2.0), ST (7162 , 7141, etc.), AMLOGIC (the IF2 / 0), REALTEK PICOCHIP DataLight (Flash FX Pro), Marvell (310/303/920/935 ...), Broadcom, ZTE, Intel (CE4100), UBI, Leadcore LEADCORE The (L1809OG), MSATR.
- PC communication interface: USB2.0 (high speed).
- Memory storage: Compact Flash card.
- Electrical spec. of the AC adapter: AC input 90V to 250V, 50/60Hz, DC output 12V/2A; power:15W
- Programmer size: Size: 148 x 216 x 94 mm; Weight: 1.6Kg.
- Package size: 301 x 252 x 145 mm; Weight: 2.8 Kg.