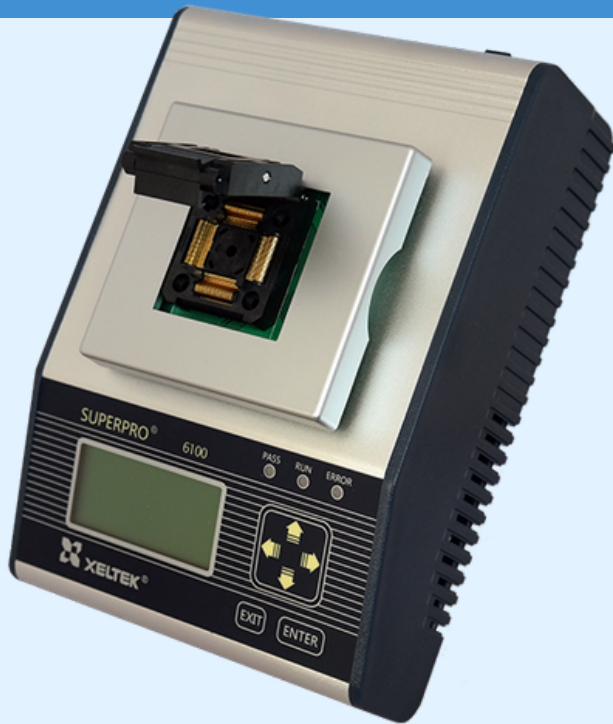


SUPERPRO 6100N

The SuperPro® 6100N is a professional-grade universal IC programmer built for engineering teams, electronics manufacturers, and production environments that demand precision and reliability.

Powered by 144 universal pin drivers, it offers extensive device support and consistent high-speed programming performance.



CORE PERFORMANCE ADVANTAGES

High-Speed ARM9 Processing

- 30% faster programming speed compared to previous generation.

144 Universal Pin Drivers

- Supports high pin-count devices using a single universal architecture.

Extensive Device Library

- Supports 104,000+ devices from 415+ manufacturers with continuous updates.

Wide Voltage Support

- VCC from 1.2V to 5V ensures compatibility across modern IC platforms.
- **Multi-Programmer**

Enables centralized control and synchronized operation of up to four programming units for improved production efficiency.

Scalable Multi-Programmer Production Management

The SuperPro 6100N supports centralized multi-unit management, enabling scalable production by integrating up to four SuperPro 6100N programmers under a single control interface.

The management software communicates directly with each SP6100 module, providing synchronized operation, streamlined project deployment, and efficient multi-device programming control.

Engineered for Professional Electronics Environments

The SuperPro 6100N bridges development and volume production with industry leading device support, precision signal control, and stand-alone production capability.

With over 500 socket adapters available, it provides exceptional package flexibility and a versatile programming platform for a wide range of applications.



The SuperPro 6100N is trusted across industries that demand precision, reliability, and flexible programming workflows:

- Electronics Manufacturing Services (EMS)
- Industrial & Power Electronics
- Automotive & EV Module Production
- Engineering & Development Laboratories

Production Control & Security Suite

Project File Management

Save and restore complete programming setups, including device type, buffer data, configuration bits, operation settings, and batch commands. Password protection ensures secure and consistent operation.

Automated Production Sequencing

Automatically executes erase, blank check, program, verify, and protect in a seamless sequence — ensuring repeatable, error-free processing.

Production Mode

Instant start upon device insertion with automatic chip detection and batch execution — maximizing throughput and efficiency

Factory Mode

Designed for high-volume manufacturing. Enforces Auto operation with administrator password control to prevent errors and unauthorized changes.

Traceability & Production Logging

Comprehensive log files support quality control, traceability, and process tracking.

Automatic File Recognition

Supports and auto-detects major industry formats including Binary, Intel Hex (linear/segmented), Motorola S, Tektronix, JEDEC, POF, and more.

Auto Serial Number Generation

Built-in auto-increment function programs unique electronic serial numbers for secure device identification.

Intellectual Property Protection

Password security available in both PC and stand-alone modes to safeguard data and process integrity.

WHAT'S INCLUDED? WARRANTY

- AC Adapter
 - USB Cable
 - Software *Digital Download
- Includes full hardware coverage, plus 2 years of free software updates and user-requested device support updates.

FEATURES

Ultra-Fast Programming Speed

Semiconductor manufacturer–approved algorithms combined with precision signal timing and clean pin drivers ensure maximum programming yield and reliability

Built-In Universal 144-Pin Driver

Integrated 144-pin driver supports high pin-count devices without additional modules.

Stand-Alone Operation

The SuperPro 6100N operates independently without a PC. In stand-alone mode, even entry-level operators can program devices with minimal training — ideal for production floors and secure environments.

Logic & SRAM Device Testing

Integrated functional testing for TTL (74 series), CMOS (4000 series), and SRAM devices.

SPECIFICATIONS



RoHS
compliant



Devices Supported	EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration PROM, FLASH memory (NOR), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU	
Package Types Supported	DIP, SDIP, PLCC, JLCC, PGA, LGA, SOIC, SOJ, SOT, QFP, TQFP, PQFP, VQFP, MQFP, LQFP, TSOP, SOP, TSOPII, PSOP, SSOP, TSSOP, SON, EBGA, FBGA, FTBGA, VFBGA, μBGA, CSP, SCSP, QFN, HVQFN etc.	
PC Interface	USB 2.0	
PC Compatibility	Windows 11 (32/64 bit)	
Stand-alone Memory	Compact FLASH Card	
Power Supply	AC Adapter: Input AC 100V- 240V; Output: 12V/1.5A	
Dimensions	Main unit: 148(L) x 216(W) x 94(H) mm	Package: 301(L) x 252(W) x 145(H) mm
Weight	Main unit: Weight 3.5 lbs (1.6 Kg)	Package: Weight 6.2 lbs (2.8Kg)