

SUPERPRO 7504N

The SuperPro 7504N is designed for manufacturers who need fast, reliable device programming without the cost and complexity of full automation systems.



Featuring four independent high-speed SuperPro programmer modules, the system enables simultaneous programming of up to 16 devices, dramatically improving production efficiency while maintaining the flexibility required for modern electronics manufacturing.

Ideal for electronics manufacturers, engineering teams, and contract manufacturers, the SuperPro 7504N provides the perfect balance of throughput, flexibility, and investment efficiency for production environments.

Designed for Production Efficiency

High-Throughput Gang Programming

- Configure up to 4–16 programming sockets using a 4Gang socket adapters.

Lower Investment Than Automation

- Deliver high production throughput without the cost, complexity, or integration requirements of fully automated programming systems.

Fast Setup & Easy Operation

- The intuitive software allows operators to start production quickly with minimal training.

Flexible Production

- Quickly change devices and adapters, making the system ideal for environments where products and firmware change frequently.

Extensive Device Support

Supports a wide range of devices including:

- Microcontrollers
- SPI Flash
- NAND Flash
- NOR Flash
- eMMC
- EEPROM and more

Supports 745+ semiconductor manufacturers and over 146,400 devices.

Built for Reliable Production



The SuperPro 7504N uses the same proven programming technology used in Xeltek's SuperBOT automated systems, ensuring consistent performance and reliability.

Backed by Xeltek's continuously updated device library, the system supports a wide range of memory devices, microcontrollers, and programmable logic devices with reliable algorithm support.



Upgrade Path to Automation

- The SuperPro 7504N shares the same device support, adapters, and project files as Xeltek SuperBOT automated programming systems allowing customers to upgrade to automation without changing their programming workflow.

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.

Production Mode

Instant start upon device insertion with automatic chip detection and batch execution.

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.

Dynamic data buffer

Enables programming of unique data for each device, making it ideal for applications requiring automatic insertion of serial numbers, MAC addresses, or other product identifiers during production.

WHAT'S INCLUDED?

- AC Adapter
- USB Cable
- Software *Digital Download

WARRANTY

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.

Hardware protection

To protect both the device and the programmer, the system incorporates multiple safety mechanisms including automatic voltage calibration, chip mis-insertion detection, over-current protection, over-voltage protection, and hardware self-diagnostics.

MES and Industry 4.0 User-Friendly

Enable integration with MES systems and Industry 4.0 manufacturing environments.

SPECIFICATIONS



Supported Devices	EPROM, Paged EPROM, Parallel & Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR & NAND), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontrollers, MCU and other programmable devices. Operating voltages from 1.2V to 5V.
Package Support	DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, SOP, TSOPII, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, μBGA, CSP, SCSP and more.
Communication Interface	USB 2.0
Offline Mode	Not supported
Power Supply	AC Adapter Input: 100–240V AC; Output: 12V / 7A
Main Unit Dimensions / Weight	540 × 216 × 75 mm; 6.8 kg (15.0 lbs)
Packaging Dimensions / Weight	600 × 250 × 105 mm; 9.2 kg (20.3 lbs)