

In-System Production Programmer Station

SuperPro XPS02



SuperPro XPS02 engineered to provide a total solution for PCB board in-system programming.

Device algorithm development and user's customization to offer a plug & play solution.

Program up to 80 boards with a maximum output of 10K per hour.

Supports most serial devices including MCU and serial Flash/EEPROMS and parallel memory devices such as eMMC, NAND & Nor Flash.

Compatible for most in-system programming protocols, I2C, SPI, JTAG, RS232, etc.

Powered by SuperPro IS416

Speed up production today with our SuperPro XPS02.

Key Features

- Industry grade complete solution for high throughput in-system programming.
- Customer specific function test (FCT) project available.
- Built with 1 to 5Pcs IS416, 16-CH ISP gang programmer, programming up to 80 PCB boards simultaneously.
- Compatible for ISP programming of multiple chips of different types in one PCB board serially.

- Supports almost all serial devices including, but not limited to SPI, I2C, JTAG, BDM, UART, MON, SCI, SWD, SBW, C2D, ICC, SWIM, SDQ, DBG, ICE, CSI, LIN. Supports most Device Manufacturers.
- High and adjustable programming speed for varied target board requirements.
- Advanced pin-driver technology supplies cleaner signals, wider voltage range and accurate / higher clock frequency. Precise frequency synthesizer and voltage generator ensure higher speed and qualified product ratio.
- Chip safety security mechanism: the built-in precise voltage self-calibration circuit ensures the voltage is within the preset range at any time. The self-diagnosis function continuously detects hardware fault to ensure the machine run normally.
- Over-current, over-voltage and ESD protection avoids damaging the programmers
- Powerful software system with user-friendly interface simplifies operation, improves efficiency, and reduces mistakes.

Software

- **Project.** Simplifies processes such as device selection, file loading, device configuration setting, program option, and batch file setting into one step
- **Project Group.** Organizes batch running of multiple projects.
- **Super Project Group.** Complicated PCBA or multiple combined PCBAs may need multiple programmers to work in a group properly. The Super Scale Project Group is responsible for the workflow across multiple programmers.
- **Customer specific operation interface is available.** Display running result directly on the picture of the board panels.
- **Auto Commands.** Permit users to create a one-step command to execute common commands such as erase, blank check, program and verify.
- **Production Mode.** Initiated by an external start signal, generally the signal of Fixture Close. Once the signal is detected, the system runs automatically.
- **Dynamic Buffer.** Every chip may have different data to be written. The software can manage the changing of the data from chip to chip per the rule user requests. One well-known example is the MAC address.
- **Log files and production** statistics function facilitates quality tracking.
- **Copyright Protection with project files encryption** and access control, volume control and remote control.
- Support and recognize almost all known file formats automatically

- **Barcode management.** Fulfill all setup tasks by scanning barcode on the job form.
- Customized special functions and algorithm software available

Hardware & electrical Specifications

- Supports all common ISP protocol (i.e. I2C, SPI, UART, BDM, MW, JTAG, CAN, RS232).
- Contact Xeltek for more details.
- PC interface: USB2.0 (high speed), LAN (100M)
- Compatible for Windows 7 & 10 64Bits
- Power Supply: AC 100-220v / 50-60Hz
- Main Unit: Dimension: 510 x 380 x 200 (mm); Weight: 25Kg
- Operating Temperature: 0-50°C. Humidity: 20%-80
- [CE and RoHS](#) Compliant