

## XELTEK Corporation

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# SUPERPRO

## Hardware Specifications:

- ISP cable integrates I2C, SPI, UART, BDM, MON, MW, JTAG, CAN, ICC, RS232 interfaces
- VDD (0-5.5V / 0.5A) and Vpp (0-15V / 0.2A) lines provided to power up the target board and the target devices.
- Cable driver circuit supports the target devices of voltage level at 1.5 to 5V and it is ESD protected.
- USB 2.0 (high speed) interface for PC hosted mode
- 20 Characters x 4 lines LCD and a 6-key keypad are built-in to operate at stand-alone mode. In stand-alone mode, project files are stored on the SD card (up to 16GB). The number of the project files is limited only by the capacity of the SD card.
- ATE interface is built for easy external hardware control. 6 lines of SEL0 - SEL5 are for project selection (maximum 64 files); 2 command lines START and STOP; 3 STATUS lines PASS, FAIL and BUSY. All signals are optical-isolated.
- A universal AC adaptor of DC12V/2A is included for power supply.
- 8 LAN ports.

## Software Specifications:

- Supports almost all devices with ISP interface.
- Supports Jam and Staple files from ACTEL and ALTERA; Direct C files from ACTEL.
- Programming speed selectable (High, Normal and Low) for complicated applications such as different cable lengths, different target load characters.
- Dynamic buffer function. Application examples include device S/N, MAC address, frequency or transducer calibration etc.
- File format on SD: FAT16, FAT32.
- Functions for IP protection: Project security, SD security, batch control, administration management etc.
- API and DLL provided for easy integration into customers' system like ICT and ATE.
- Software provides the features for multiple units to work concurrently controlled by USB HUB.

## Applications:

- R&D applications such as in-circuit test and debug.
- Volume productions. Devices may be programmed after the board is fully assembled. One example is the serial number writing to an on-board serial device.
- Field applications. Comes with portability; stand-alone mode and mobile data storage media (SD card). It is suitable for field test, debug and data acquisition.
- Third application modules. User-friendly s/w interface (DLL and Virtual Com communication command set) and h/w interface (ATE and USB) are provided and make it very easy for customers to integrate ISP01 as a functional module into their systems. One example is the ICT equipment. With this integration user can finish in-circuit test and in-circuit programming in one step.
- WINDOWS XP/VISTA/Win7 compatibility

## Device Updates:

- XELTEK updates software and device algorithm regularly.
- XELTEK also adds devices upon customer's request at its option.

## Hardware & Electrical Specifications:

- PC interface: USB 2.0
- Stand-alone Feature: Supported, SD Card .
- Electrical spec. of the AC adapter: AC input 90V to 250V, 50/60Hz, DC output 12V/2A; power:-W

## Accessories:

- Standard Package, Main unit, AC adapter, USB Cable, SD Card, CD-ROM

