

E-LAB Programmer Comparison

Model: Feature	ISP- V24	ISP- USB	ICP- V24	ICP- USB	ICPII- V24	ICPII- USB	UPP-USB
Serial Interface	✓		✓		✓		
USB Interface		✓		✓		✓	✓
Programs all AVR types with SPI or JTAG **	✓	✓	✓	✓	✓	✓	✓
Programs AT89S51..53 AT89S8252	✓	✓	✓	✓	✓	✓	✓
Software for Windows 95*/98*/2000/NT/Me/XP	✓	✓	✓	✓	✓	✓	✓
Rechargeable Battery			✓	✓	✓	✓	N/A
Memory on board			256KB	256KB	2MB	2MB	MMC flash card
Files stored			1	1	20	20	many
Password protected			✓	✓	✓	✓	
LCD display & keypad					✓	✓	
JTAG programming	✓	✓	✓	✓	✓	✓	✓
JTAG boundary scan							✓
Serial number generation			✓	✓	✓	✓	
Production model available			✓	✓	✓	✓	✓
Power Supply not required	✓#	✓	✓#	✓			✓
Power Supply supplied	Opt	Opt	✓	✓	✓	✓	
User software controllable from DLL or directly			✓	✓			✓
Price \$AUD	\$220	\$230	\$375	\$390	\$615	\$635	\$365

* Win95 and some versions of Win98 & NT do not support USB

** Includes all AVRs except some of the Tiny series that require 12V programming

Power Supply is required if supplying power to the target system