

GALEP-4

Low-Cost Portable Device Programmer with 40 universal pin drivers and LPT port

Conitec's **GALEP-4** is a universal device programmer of pocket-sized dimension. The programmer supports EPROMs, EEPROMs, FLASH EPROMs, serial EEPROMs, Microcontrollers, GALs and PALCEs, handling up to DIP40 devices without requiring any additional adapters or circuitry. It's connected to the PC through the parallel printer port. For even more performance a version with 48 pin drivers and USB2 port is available ([GALEP-5](#)).

By using a highly integrated FPGA, GALEP's internal logic is freely programmable and automatically optimized for the selected component. This way all components can be both written and read at optimal speed.



POWERFUL SOFTWARE ↑

- >The Galep-4 OS features a comprehensive set of basic functions such as read, program, compare and delete, along with easy-to-use custom configuration options for any special functions required by the selected component.
- >The editor allows a multitude of functions for editing component contents which can be saved and loaded in binary, intel-hex, motorola-s or jedec file format.
- >Using the COM objects feature in the GALEP-4 OS, the user can also access the programmer from within their chosen software application (e.g. Visual Basic).

FREE SOFTWARE UPDATES ↑

- >The Galep-4 software includes the ability to constantly incorporate support for additional devices through free software updates offered on our website. We develop new components on a monthly basis, and any Galep-4 owner can implement these by downloading software updates from the internet. This feature allows the GALEP-4 to remain at the cutting edge of industry standards for years to come. Galep owners have life-time free access to the updates.

SECURITY FEATURES ↑

- >Prior to each function, GALEP-4 checks the electric selected device's electric consumption, as well as the correct positioning of the selected component. This reduces the risk of accidentally harming the component or the programmer to a minimum.

PIN DRIVERS ↑

- >The GALEP-4 carries a separate universal pin-driver for each of the 40 socket pins. A special pin driver IC guarantees precise current control and perfect waveform integrity. GALEP-4's pin driver design corresponds to that usually found in far more expensive programmers.
- >Low-Voltage GALEP-4 pin drivers feature true level-shifters and comparators, guaranteeing clean signals right down to 1.3 volts. The Galep-4 comparators allow measurement of the voltage on any of the 40 pins within a range of 0 to 25 volts with a precision of 100 mV. This can be used to precisely determine high and low levels at the component's output pins.

STATE OF THE ART DESIGN ↑

- >By using a highly integrated FPGA, GALEP's internal logic is made freely programmable and is automatically optimized for the selected component. This way all components can be both written and read at optimal speed.
- >Dual power: AC adapter or 6 rechargeable NiMH batteries (AAA).
- >Socket converters available for most component packages.

TECHNICAL SPECIFICATIONS ↑

- >Pocket-sized, ultra-portable format: only ca. 80 x 115 x 33 mm
- >Programs 8-bit and 16-bit EEPROM's up to 8 MBit, normal and serial EEPROM's, Flash-EPROM's
- >Programs GALs / PALCEs
- >Programs all common microcontrollers
- >Easy PC printer port connection
- >Automatic Split/shuffle function for 8-, 16- and 32-bit target systems
- >Supports Hex, Jedec and Binary file formats
- >Integrated hex and fusemap editor
- >Flexible pin driver technology allows new devices to be implemented via software monthly - providing permanently upgradeable hardware.
- >Unlimited free software updates via internet

RECHARGEABLE INTERNAL POWER SUPPLY ↑

- >Along with conventional external power, the GALEP-4 is configured for use in the field, with six NiMH rechargeable batteries, allowing up to 24 hours of continuous operation between charges (batteries not included).

SYSTEM REQUIREMENTS: ↑

- >32-bit Windows OS (Win95/ 98 /ME /NT4 /2000 /XP)
- >Parallel printer port or printer card

DISTRIBUTOR



FLASH TECHNOLOGY PTE LTD
Website : www.flashtech.com.sg
Email : sales@flashtech.com.sg
Tel : +65 6749 6168