# LEAPER-56

## Pocket Universal Programmer / Smart-phone size and ICT level universal programmer

### Introduction

The LEAPER-56 is a pocket size universal programmer. It provides with 75MHz bandwidth and < ±2.5nS signal skew just in smart-phone size. The programming efficiency is much better than the other programmers on the market in any time and any condition.

By letting your PC or laptop connect with LEAPER-56, it will perform your outstanding ability of development and debugging. You can easily have professional factory-level productivity.

### Features

● Portable mini size. Without socket, only 136mm(L)* 90mm(W)* 20mm(H). You just need to connect with USB cable to use. No additional power supply.

● Provide with DUT 75MHz bandwidth and < ±2.5nS signal skew. In addition to the high processing speed, you can verify whether the ICs processing frequency meets the specifications.

● Via USB HUB, you can connect multiple LEAPER-56s to do gang programming. It makes development and mass production proficient.

● Provide with DUT device pin checking and memory components ID verification. Ensure the best yield rate of processing.

**LEAPER-56 is most suitable on the mobile environment.**

The best way to perform your professional capacity and working efficiency.



**Standard Accessories**
Main unit ........................ x1
CD (Included driver and user's manual) ................. x1
Y-USB cable ..................... x1

**Optional Accessories**
PLCC, JLCC, SDIP, SOP, VSOP, SSOP, TSOP, TSSOP, QFP, PQFP, TQFP, VQFP, BGA, uBGA, SON, WSON, QFN(MLF) adapter.

### Specifications

| Device power signal | Logic signal level: | 1.5V~6.0V,10mV |
|---|---|---|
| | IOL, IOH current: | 10mA |
| | Logic signal frequency: | 75MHz(3-5V) |
| | | 60MHz(2.5V) |
| | | 45MHz(1.8V) |
| | | 25MHz(1.5V) |
| | Signal skew: | <±2.5nS(3-5V) |
| | Clock frequency : | 0Hz ~ 75MHz |
| | VDD, VIO level: | 1.5V~6.5V,10mV |
| | IDD, IIO frequency: | 200mA/400mA |
| | VPP, VHH level: | 1.5V~15.5V,20mV |
| | IPP, IHH frequency: | 100mA/150mA |
| Power consumption | 4W | |
| Pin drivers | 48 Pin Uuiversal Pin Driver | |
| DUT socket | DIP 48 ZIF | |
| Dimension | 136(L) x 90(W) x 20(H) mm | |
| Weight | 282g | |

### PC System Requirements

| Operating system | Windows 7 32 bit / Vista 32 bit / XP 32 bit |
|---|---|
| Processor | Pentium 4 above |
| Memory | 512 MB RAM above |
| Hard disk | 500 MB above / buffer: 1GB above |
| Communication | USB 2.0 high speed |
| USB powered | Connect the cable with 2 USB port (600mA above) |

### Supported Devices

NAND FLASH,NOR FLASH,SPI,EPROM,EEPROM,MPU,MCU,CPLD,NV-RAM, etc.

### Supported File Formats

Binary/Machine Code, Intel HEX,TEK HEX, Motorola HEX

### Remarks

1.Must use the USB cable from the standard package, and connect to the USB ports behind your PC. Besides please also connect it with 2 USB ports, or through the USB Hub (5V/1A)

2.When you need adapters to process the high-speed components, be sure to use good quality adapters. In order to have the best high-frequency process performance, the socket and DUT must keep good contact.