

# 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  $< \pm 2.5\text{nS}$  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.

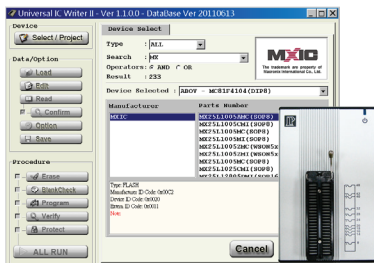
### Features

- 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 PIN 75MHz bandwidth and  $< \pm 2.5\text{nS}$  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.
- Provides asynchronous and concurrent operation for the 8 units LEAPER-56 via USB hub which allows chips to begin programming immediately upon insertion to the socket. There is a message show on the UI to inform operator to take off the finished device and inserts a new device.

**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 ..... x1  
(Included driver and user's manual)
- Y-USB cable ..... x1
- Soft case ..... x1



### Specification

Device power signal	Logic signal level:	1.5V~6.0V,10mV
	IOL, IOH current:	10mA
		75MHz (3-5V)
	Logic signal frequency:	60MHz (2.5V)
		45MHz (1.8V)
		25MHz (1.5V)
	Signal skew:	$< \pm 2.5\text{nS}$ (3-5V)
	Clock frequency :	0Hz ~ 75MHz
	VDD, VIO level:	1.5V~6.5V,10mV
	IDD, IIO frequency:	400mA
	VPP, VHH level:	1.5V~15.5V,20mV
	IPP, IHH frequency:	150mA
Power consumption		4W
Pin drivers		48 Pin Universal Pin Driver (Zero Insertion Force)
DUT socket		DIP 48 ZIF
Dimension		136 x 90 x 20mm (Socket is not included)
Weight		282g

### PC System Requirements

Operating system	Win 8 / 7 / Vista / XP ( 32bits & 64bits )
Processor	Pentium 4 above
Memory	1GB RAM above
Hard disk	500 MB above / buffer: 1GB above
Communication	USB 2.0 high speed
USB power	Connect the cable with 2 USB port (600mA above)

### Supported Devices

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.