LEAPER-56

口袋型萬用IC燒錄器

Pocket Universal Programmer

/ 智慧型手機的尺寸, ICT等級的萬用型燒錄器 /

產品簡介

LEAPER-56是一台可以放進您的口袋，ICT等級的次世代萬用型燒錄器，在智慧型手機的尺寸中，擁有 75MHz 訊號頻寬以及訊號相位誤差<±2.5nS，的優異規格，元件的處理效能超越量產級專用IC燒錄器；任何時間在任何環境讓 LEAPER-56 搭配您的 NB 或 PC，就可以襯托您優異的開發和除錯能力，或是立即擁有專業工廠級的生產力。

產品特色

※最方便攜帶的迷你尺寸，不含Socket 僅136mm(長)x90mm(寬)x20mm(厚)，您只需要接上 USB Cable 即可使用，不需要額外攜帶電源供應器。*1

※擁有所有的DUT訊號 75MHz 的頻寬，以及訊號相位誤差<±2.5nS的規格，除了極高的元件處理速度之外，您還可以驗證元件的工作頻率是否符合規格，例如 SPI FLASH。*2

※具備 DUT 元件接腳掃描檢驗以及 Memory元件的ID驗證,確保元件處理的最佳良率。

※透過 USB Hub 可以同時連接多台的 LEAPER-56，直接進行量產燒錄，讓您在開發和量產上都能得心應手。

最能夠襯托您專業能力和效率的萬用型燒錄器 LEAPER-56

*產品外觀和實際出貨可能會略有不同

標準配備

主機	x1
光碟片	x1
(內附安裝程式及使用手冊)	
專用Y型 USB傳輸線	x1

選購配備

PLCC, JLCC, SDIP, SOP, VSOP, SSOP, TSOP, TSSOP, QFP, PQFP, TQFP, VQFP, BGA, uBGA, SON, WSON, QFN(MLF)....等轉接座

產品規格

元件電源訊號規格	邏輯訊號準位	1.5V~6.0V,10mV
	IOL,IOH電流:	10mA
	邏輯訊號頻寬:	75MHz(3-5V)
		60MHz(2.5V)
		45MHz(1.8V)
		25MHz(1.5V)
	訊號相位誤差:	<±2.5nS(3-5V)
	Clock頻率 :	0Hz ~ 75MHz
	VDD,VIO準位:	1.5V~6.5V,10mV
	IDD,IIO電流:	200mA/400mA
	VPP,VHH準位:	1.5V~15.5V,20mV
	IPP,IHH電流:	100mA/150mA
PIN DRIVERS	48 Pin Uuiversal Pin Driver	
DUT Socket	DIP-48 ZIF(Zero Insertion Force)	
尺寸(不含Socket)	136(長) x 90(深) x 20(高)mm	
重量	282g 公克	

系統要求

操作系統	Windows-7	32 bits
	Vista	32 bits
	Windows-XP	32 bits
支援系統	Pentium 4 以上	
記 憶 體	512 MB RAM 以上	
硬碟空間	主程式 500 MB 以上	
	資料緩衝用 1GB 以上(視元件容量)	
通訊介面	USB 2.0 HIGH SPEED	
USB 供電	同時接兩個 USB Port > 600mA 以上	

EMC標準

Per 89/336/EEC,EN55022 Class A,EN50082-1 IEC801-2 /IEC801-3/IEC801-4

支援元件

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

支援檔案格式

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

備註說明

*1 請務必使用LEAPER-56所提供的USB Cable,連接到您PC後方主機板上的USB Port, 請同時接連兩個 USB Port,或是透過 USB Hub 提供5V/1A的電源。

*2 需要透過轉接座處理高速元件時，請務必使用品質良好的轉接座，並注意Socket 和待測試元件需保持最佳的接觸狀態,如此才可有最好的高頻處理效果。

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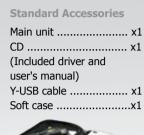
LEAPER-56 is most suitable on the mobile environment.

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	Log ic 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:	400mA
	VPP, VHH level:	1.5V~15.5V,20mV
	IPP, IHH frequency:	150mA
Power consumption	4W	
Pin drivers	48 Pin Uuiversal Pin Driver (Zero Inser ion Force)	
DUT socket	DIP 48 ZIF	
Dimension	136 x 90 x 20mm (Socket is not induded)	
Weight	282g	

PC System Requirements

Operating system	Win 10 / 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 powere	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.