

## LAP-C(16032)



General Free Protocols -	1-WIRE, CAN 2.0B, IRDA, 3-WIRE, JTAG 2.0, PS/2, I2C(EEPROM 24LC561/24LC562), SSI Interface, MANCHESTER, MILLER, SPI Compatible(Atmel Memory), I2C, UART(RS-232C/422/485), SPI, 7-SEGMENT LED, USB 1.1, LCD1602, DIGITAL LOGIC, ARITHMETICAL LOGIC, MICROWIRE, I2C(EEPROM 24L), UP DOWN COUNTER, MICROWIRE(EEPROM 93C), LIN 2.1, LED Pitch Array, General Free Protocols
N/A -	MCU-51 DECODE, PCI, Compact Flash 4.1, USB 2.0, RGB Interface, SD3.0, eMMC

## Specifications

- ▶ **Sample Rate**
  - Internal Clock (Timing Mode) 100Hz~100MHz
  - External Clock (State Mode) 100MHz
- ▶ **Threshold Voltages**
  - Bandwidth : 75MHz
  - Working Range : -6V~+6V
  - Accuracy :  $\pm 0.1V$
- ▶ **Memory**
  - Memory : 512Kbits
  - Depth(Per Channel) : 32Kbits (Max 8Mbits for compression)
- ▶ **Trigger**
  - Condition : Pattern/Edge
  - Trigger Channel : 16 CH
  - Post Trigger : YES
  - Trigger Level : 1 Level
  - Trigger Count : 1~65535
- ▶ **Software Functions**
  - Data Compression : Max 32K bits x 256
  - Time Base Range : 5ps~10Ms
  - Language : Chinese (Traditional/Simplified) English
  - Maximum Trigger Page : 8192 Pages
  - Waveform Data Display
  - Filter&Filter Delay
  - Trigger Delay
  - Unlimited Increasing Bar
  - Automatic Attaching Bar
  - Automatic Software Upgrade
  - Data Statistic
  - Auto-Save
  - Filter Bar
  - Protocol Analysis
  - Protocol Packet List
  - File Export
  - Data Contrast : Not support
  - Latch Function: Not support

Protocol Analyzer Trigger: parallel  
Pulse Width Trigger Module : option

▶ **Other**

Power : USB (DC 5V, 500mA)  
Operating System : Windows 2000 / XP(32bits) / Vista / Win 7  
Phase Errors : < 1.5ns  
Maximum Input Voltage : ±30V  
Impedance : 500KΩ/10pF  
Safety Certification : FCC / CE / WEEE / RoHS / REACH

▶ **Extending Channel Capture**

Not support

▶ **Double Mode**

Not support

## Electric Specification

Item	Min	Typical	Max
Working Voltage	DC 4.5V	DC 5V	DC 5.5V
Current at Rest	-	-	200mA
Current at Work	-	-	400mA
Power at Rest	-	-	1W
Power at Work	-	-	2W
Error in Phase Off	- 1.5ns	-	+ 1.5ns
Vinput of Testing Channels	- DC30V	-	+ DC30V
Vreference	- DC6V	-	+ DC6V
Impedance	-	500KΩ/10pF	-
Working Temperature	5 °C	70 °C	-
Storage Temperature	-40 °C	-	80 °C