



# WIRELESS IR Microcontrollers

## Industry-Leading IR Microcontrollers from ZiLOG

As a busy designer, you need the best components and best support for your IR devices. That's why IR device designers choose ZiLOG IR microcontrollers more than any other. ZiLOG IR microcontrollers are designed for use in low-voltage embedded control applications such as IR controllers, wireless keyboards and mice, as well as home appliances and security systems. You'll get quick, reliable delivery of the components you need, every time you need them.

## Broad Device Database

With one of the broadest device databases available today, ZiLOG IR microcontrollers give you the design flexibility you need to create a wide variety of IR products. Our living Infrared database (IrDB) of Infrared remote control codes means that you can offer support for the latest products on the market. Our advanced data compression algorithms squeeze more device data into the available ROM. You get more device support for your money because ZiLOG IR microcontrollers are simpler to integrate.

## Broad Range of Packages

Our broad range of cost-effective, low-power IR microcontrollers gives you the ability to meet the requirements of a range of device footprints 20-pin, 28-pin, 40-pin, 44-pin and 48-pin in DIP, SOIC, SSOC, PLCC, and QFP. Memory is available in sizes from 4K to 64K ROM Including 32K OTP, giving you greater choice when selecting the right device for your application. And we are continually evolving our IR microcontroller roadmap, so you can expect new, smaller packages and add-feature silicon that will further enhance your product offerings.

## Benefits

- Total IR microcontroller solution: Lower initial investment, and lower development costs.
- Living infrared database (IrDB) of infrared remote codes: Greater developer choice and enhanced design flexibility.
- Leading-edge application software: Turn designs around faster and get products to market sooner.
- Up to 64K of ROM with advanced data compression: Supports more of the latest IR devices.
- Quick, reliable delivery: You get products when you need them.

## Extensive Development Tools and Complete Product Support

ZiLOG helps you reduce valuable development time by providing complete reference software and an extensive development toolkit. You'll get products to market faster with ZiLOG IR microcontrollers. Our worldwide applications support team has a strong commercial focus, so you get outstanding customer service from people who know your business and know how to help you meet tight development deadlines.



## ZiLOG IR Product Matrix

Device	Package	Pin	Speed (MHz)	RAM (Bytes)	ROM KB	Operating Voltage
<b>Z86L825</b>	DIP, SOIC	20	8	237	4	2.0-3.6V
<b>Z86L826</b>	DIP, SOIC	20	8	237	8	2.0-3.6V
<b>Z86L827</b>	DIP, SOIC	20	8	237	16	2.0-3.6V
<b>Z86D86</b>	DIP, SOIC, SSOC	28	8	237	OTP 32	2.0-3.6V
<b>Z86L82</b>	DIP, SOIC, SSOC	28	8	237	4	2.0-3.6V
<b>Z86L85</b>	DIP, SOIC, SSOC	28	8	237	8	2.0-3.6V
<b>Z86L88</b>	DIP, SOIC, SSOC	28	8	237	16	2.0-3.6V
<b>Z86L81</b>	DIP, SOIC, SSOC	28	8	237	24	2.0-3.6V
<b>Z86L86</b>	DIP, SOIC, SSOC	28	8	237	32	2.0-3.6V
<b>Z86L98</b>	DIP, SOIC	28	8	237	64	2.0-3.6V
<b>Z86D73</b>	DIP, PLCC	40, 44	8	237	OTP 32	2.0-3.6V
<b>Z86L87</b>	DIP, PLCC, QFP	40, 44	8	237	16	2.0-3.6V
<b>Z86L89</b>	DIP, PLCC, QFP	40, 44	8	237	24	2.0-3.6V
<b>Z86L73</b>	DIP, PLCC, QFP	40, 44	8	237	32	2.0-3.6V
<b>Z86E72</b>	DIP, PLCC, QFP	40, 44	8	237	16	3.0-5.5V
<b>Z86E73</b>	DIP, PLCC, QFP	40, 44	8	237	32	3.0-5.5V
<b>Z86D73</b>	SSOP	48	8	237	OTP 32	2.0-3.6V
<b>Z86L87</b>	SSOP	48	8	237	16	2.0-3.6V
<b>Z86L89</b>	SSOP	48	8	237	24	2.0-3.6V
<b>Z86L73</b>	SSOP	48	8	237	32	2.0-3.6V
<b>Z86L987</b>	SSOP	48	8	237	64	2.0-3.6V

**ZiLOG Support Tools**  
 Z86L8800ZCO IR Remote Control Development Kit  
 Z86L9800ZEM Z86L98 In-Circuit Emulator (ICEBOX)

For Application Development and Data Base support, please contact your local ZiLOG Sales office.