

## The ZiLOG Family of Serial Communication Controllers

### Setting the standards for SCCs

Over the last 20 years ZiLOG has set the standard for SCCs. Built from the industry acclaimed Serial Communication Controller core, ZiLOG offers a wide selection of (SCCs) based on your application requirements.

### Reducing the need for external logic

ZiLOG's SCCs offer low power consumption, higher performance, and superior noise immunity. The many on-chip features offered in our SCCs help dramatically to reduce the need for external logic found with much of the competition. Go with an SCC you can trust, and make ZiLOG your one-stop SCC solution provider.

### Offering a fully integrated solution

The standard serial and integrated communications controllers, Z85C30 and Z16C35, allow you to easily implement a fully integrated solution for many networking applications. The chips' features include:

- Dual full-duplex channels
- Ability to accommodate a crystal oscillator, baud rate generator, and digital phase-locked loop on each channel
- Processing speeds up to 4 Mbps
- Multi-protocol format (async, monosync, bisync, SDLC/HDLC, SDLC/HDLC loop)
- Encodes in the following modes: NRZ, NRZI, FM0, FM1, and Manchester
- CRC-16 or CRC-CCITT error detection
- 1-byte transmit FIFO/3-byte receive FIFO
- 2 transmit and 2 receive DMA channels (16C35 only)

### Simplifying software

The enhanced dual and mono SCCs Z80230, Z85230, and Z85233, include many features that make programming easy. These parts also reduce CPU overhead, allowing the programmer to select packet handling response and improve cycle access recovery time. Features include:

- Dual full-duplex channels (Z80230/Z85230)
- Single full-duplex channel (Z85233 only)



- Ability to accommodate a crystal oscillator, baud rate generator, and digital phase-locked loop on each channel
- Processing speeds up to 5 Mbps
- Multi-protocol format (async, monosync, bisync, SDLC/HDLC, SDLC/HDLC loop)
- Encodes in the following modes: NRZI, FM0, FM1, and Manchester
- CRC-16 or CRC-CCITT error detection
- 4-byte transmit FIFO/8-byte receive FIFO

### Increasing speed

The standard and integrated universal serial controllers Z16C30, Z16C35, and Z16C32 offer faster performance. Features include:

- Dual full-duplex channels (Z16C30)
- Single full-duplex channel (Z16C32)
- Accommodates two baud rate generators and one digital phase-locked loop (on each channel)
- 2 DMA control signals per channel (Z80C30/Z85C30 only)

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# ZiLOG SCC Solutions

## Standard and integrated universal serial controllers

### Z16C30/Z16C32 (Continued)

- Processing speeds up to 10 Mbps (Z16C30)
- Processing speeds up to 20 Mbps (Z16C32)
- Multi-protocol format (async, monosync, slaved monosync, bisync, isochronous, nine-bit, SDLC/HDLC, SDLC/HDLC loop)
- Encodes in the following modes: NRZ, NRZI-Mark, NRZI-Space, Bi-Phase-Mark (FM1), Bi-Phase-Space (FM0), Bi-Phase-Level (Manchester), Differential Bi-Phase-Level
- CRC-32, CRC-16, and CRC-CCITT
- 32-byte transmit FIFO/32-byte receive FIFO
- 2 DMA control signals per channel (16C30 only)
- Transmit and receive DMA controllers with single buffer, pipelined, array, and linked-list modes (16C32 only)

Serial Family	Channels	DMA Controllers	Bus Interface	MHz	Part number	Package	Pins	Op. Temp. (°C)		
SCC	2	0	Multiplex	8	Z80C3008PEC	DIP	40	-40 -100 0 -70		
					Z80C3008PSC					
					Z80C3008VSC	PLCC	44			
				10	Z80C3010PSC				DIP	40
					Z80C3010VSC					
					Nonmultiplex	8	Z85C3008PEC		DIP	40
			Z85C3008PSC							
			Z85C3008VEC	PLCC			44			
			10			Z85C3010PEC		DIP	40	
						Z85C3010PSC				PLCC
				Z85C3010VEC		PLCC	44			
			16	Z85C3010VSC				DIP	40	
				Z85C3016PSC						PLCC
				Z85C3016VEC		PLCC	44			
Z85C3016VSC	DIP	40								
ISCC			2	2	Multiplex and nonmultiplex	10	Z16C3510VSC	PLCC	68	-40 -100 0 -70
	16	Z16C3516VSC								
ESCC	2	0	Multiplex	10	Z8023010PSC	DIP	40	-40 -100 0 -70		
					Z8023010VSC				PLCC	44
					16	Z8023016PSC	DIP			
				Z8023016VSC		PLCC				
				Nonmultiplex			8		Z8523008PEC	DIP
					Z8523008PSC					
			Z8523008VEC		PLCC	44				
			10				Z8523010PEC	DIP	40	
							Z8523010PSC			PLCC
					Z8523010VEC	PLCC	44			
			16		Z8523010VSC			DIP	40	
					Z8523016PEC					PLCC
					Z8523016PSC	PLCC	44			
			Z8523016VEC	DIP	40					
Z8523016VSC	DIP	40								
EMSCC			1	0	Nonmultiplex	10	Z8523310FSC	PQFP	44	-40 -100 0 -70
	Z8523310VSC	PLCC								
USC	2		0	Multiplex and nonmultiplex	20	Z8523320FSC	PQFP	100	-40 -100 0 -70 -40 -100 0 -70	
		Z16C3010AEC				VQFP				
		10			Z16C3010ASC		PLCC	68		
					Z16C3010VEC					
IUSC	1	2	Multiplex and nonmultiplex	20	Z16C3220FSC	PQFP	80	-40 -100 0 -70		
					Z16C3220VSC				PLCC	68

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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