

ZILOG Encore!™ XP Microcontrollers

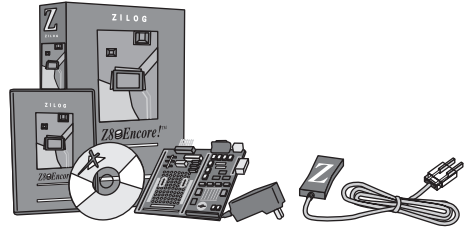


ZILOG Z8 ENCORE!™ XP FLASH MCU DEVELOPMENT KIT

The Z8 Encore! XP Microcontroller (MCU) Development Kit is a general-purpose platform that allows design engineers to evaluate the capabilities and operation of the Z8 Encore! XP family of microcontrollers and provides tools to shorten the development cycle. Included with the Development Kit is a free full-version ANSI C-Compiler and a Target Interface Module board that interfaces with the on-chip debugger converting a one-wire interface to a two-wire RS-232-like interface. All necessary hardware, software tools, and technical documentation are included, to provide a complete solution at minimal cost.

Features:

- Hardware:**
- Development Board, Z8 Encore! XP (Z8F04A28100KIT)
 - Smart Cable - DB9 to six-pin male
 - RS-232 DB9 Serial Cable
 - 9VDC Universal Power Supply
- Software:**
- ZDS II - Z8 Encore! IDE with ANSI C-Compiler
 - Sample code
 - Device Driver software
- CD-ROM contains:**
- ZDS II Quick Start Guide
 - Development Kit User Manual
 - ZDS II - IDE User Manual
 - EZ8 CPU User Manual
 - Product Specifications
 - Product Briefs
 - Application Notes



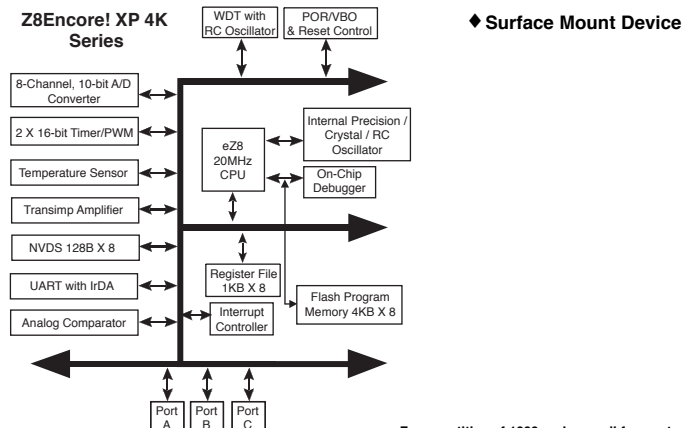
MOUSER STOCK NO.	Description	Price Each
692-Z8F04A28100KIT	4K Series (28-Pin) w/Full ANSIC Compiler	39.95
692-Z8F04A08100KIT	4K Series (8-Pin) w/Full USB Smart Cable	49.99

ZILOG Z8 ENCORE!™ XP MICROCONTROLLERS

Specifications:

- Each Z8 Encore! Microcontroller contains the following: Watchdog Timers, Analog Comparator, Temp. Sensor, Current Sense Amplifier, and Internal Precision Oscillator
- Core Speed: 20MHz

Features:	Benefits
20MHz CPU Operation	Faster execution of CPU instructions at up to 10 MIPS
Single pin in-circuit programming	Fast, easy programming
1K - 4K Flash memory sizes	Allows efficiency in program memory
Up to 8 channel, 10-bit ADC	Precision analog measurement
Up to 128B non-volatile data storage	Location for frequent or repetitive logging
Up to 1K RAM	Plenty of space for programs, stacks, and data
Internal Precision Oscillator	Eliminates need for crystal or resonator
On-chip Temperature Sensor	Thermostat applications with no external components
Analog Comparator	On-chip saving space
Transimpedance Amplifier	On-chip OPAMP
WDT with "fail-safe"	Back up oscillator for power fail



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Flash Bytes	RAM Bytes	NVDS Bytes	I/O Lines	Interrupts	16-bit Timers with PWM's	10-bit A/D Channels	UARTs	Voltage (V)	Temperature Range	Price Each			
Mfr.	Mfr. Part Number												1	25	100	500
◆	692-Z8F012ASJ020SG	SOIC-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.73	2.18	1.56	1.46
◆	692-Z8F012ASJ020EG	SOIC-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.88	2.30	1.64	1.53
◆	692-Z8F011ASJ020SG	SOIC-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.60	2.08	1.49	1.39
◆	692-Z8F011ASJ020EG	SOIC-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.75	2.20	1.57	1.46
◆	692-Z8F012AHJ020SG	SSOP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.73	2.18	1.56	1.46
◆	692-Z8F012AHJ020EG	SSOP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	-40 to 105	2.88	2.30	1.64	1.53
◆	692-Z8F011AHJ020SG	SSOP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.60	2.08	1.49	1.39
◆	692-Z8F011AHJ020EG	SSOP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.75	2.20	1.57	1.46
◆	692-Z8F012APJ020SG	PDIP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.10	2.48	1.78	1.66
◆	692-Z8F012APJ020EG	PDIP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.25	2.60	1.87	1.74
◆	692-Z8F011APJ020SG	PDIP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.98	2.38	1.71	1.59
◆	692-Z8F011APJ020EG	PDIP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.13	2.50	1.79	1.67
◆	692-Z8F012ASH020SG	SOIC-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.65	2.12	1.51	1.41
◆	692-Z8F012ASH020EG	SOIC-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.78	2.22	1.59	1.48
◆	692-Z8F011ASH020SG	SOIC-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.53	2.02	1.44	1.35
◆	692-Z8F011ASH020EG	SOIC-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.65	2.12	1.51	1.41
◆	692-Z8F012AHH020SG	SSOP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.65	2.12	1.51	1.41
◆	692-Z8F012AHH020EG	SSOP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.75	2.20	1.59	1.48
◆	692-Z8F011AHH020SG	SSOP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.53	2.02	1.44	1.35
◆	692-Z8F011AHH020EG	SSOP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.65	2.12	1.51	1.41
◆	692-Z8F012APH020SG	PDIP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.95	2.36	1.68	1.57
◆	692-Z8F012APH020EG	PDIP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.08	2.46	1.76	1.65
◆	692-Z8F011APH020SG	PDIP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.80	2.24	1.61	1.50
◆	692-Z8F011APH020EG	PDIP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.95	2.36	1.69	1.57
◆	692-Z8F012ASB020SG	SOIC-8	1K	256	16	6	12	2	4	1	2.7 to 3.6V	0 to 70	1.98	1.58	1.18	1.06
◆	692-Z8F022ASJ020SG	SOIC-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.88	2.30	1.65	1.54
◆	692-Z8F022ASJ020EG	SOIC-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.03	2.42	1.73	1.61
◆	692-Z8F021ASJ020SG	SOIC-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.75	2.20	1.57	1.47
◆	692-Z8F021ASJ020EG	SOIC-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.88	2.30	1.65	1.54
◆	692-Z8F022AHJ020SG	SSOP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	0 to 70	2.88	2.30	1.65	1.54
◆	692-Z8F022AHJ020EG	SSOP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.03	2.42	1.73	1.61
◆	692-Z8F021AHJ020SG	SSOP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.75	2.20	1.57	1.47
◆	692-Z8F021AHJ020EG	SSOP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	-40 to 105	2.88	2.30	1.65	1.54
◆	692-Z8F022APJ020SG	PDIP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.28	2.62	1.87	1.75
◆	692-Z8F022APJ020EG	PDIP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.45	2.76	1.97	1.83
◆	692-Z8F021APJ020SG	PDIP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	0 to 70	3.15	2.52	1.80	1.68
◆	692-Z8F021APJ020EG	PDIP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.30	2.64	1.89	1.76
◆	692-Z8F022ASH020SG	SOIC-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.80	2.24	1.59	1.49
◆	692-Z8F022ASH020EG	SOIC-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.93	2.34	1.67	1.56
◆	692-Z8F021ASH020SG	SOIC-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.65	2.12	1.52	1.42
◆	692-Z8F021ASH020EG	SOIC-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.80	2.24	1.59	1.49
◆	692-Z8F022AHH020SG	SSOP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.80	2.24	1.59	1.49
◆	692-Z8F022AHH020EG	SSOP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	-40 to 105	2.93	2.34	1.67	1.56
◆	692-Z8F021AHH020SG	SSOP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.65	2.12	1.52	1.42
◆	692-Z8F021AHH020EG	SSOP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	-40 to 105	2.80	2.24	1.59	1.49
◆	692-Z8F022APH020SG	PDIP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	0 to 70	3.10	2.48	1.77	1.65
◆	692-Z8F022APH020EG	PDIP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.25	2.60	1.86	1.73
◆	692-Z8F021APH020SG	PDIP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.95	2.36	1.69	1.58
◆	692-Z8F021APH020EG	PDIP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.10	2.48	1.78	1.66
◆	692-Z8F022ASB020SG	SOIC-8	2K	512	64	6	12	2	4	1	2.7 to 3.6V	0 to 70	2.08	1.66	1.24	1.12
◆	692-Z8F042ASJ020SG	SOIC-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.03	2.42	1.73	1.62
◆	692-Z8F042ASJ020EG	SOIC-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.18	2.54	1.82	1.70
◆	692-Z8F041ASJ020SG	SOIC-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.90	2.32	1.65	1.54
◆	692-Z8F042ASB020SG	SOIC-8	4K	1K	128	6	12	2	4	1	2.7 to 3.6V	0 to 70	2.18	1.74	1.31	1.18