

# CYPRESS MPUs/MCUs and Development Kits



RoHS Compliant This product is RoHS compliant.

## MPU SOLUTIONS AND PROCESSORS

### Powerline Communications Solution

MOUSER STOCK NO.	Cypress Part No.	Package	Max. Baud Rate (bps)	Operating Frequency	Analog Blocks	Digital Blocks	Flash	SRAM	GPIO	Price Each		
										1	25	50
727-CY8CLED16P0128PV	CY8CLED16P01-28PVXI	SSOP-28	2400	24MHz	12	16	32K	2K	24	15.42	13.88	13.18

### Neuron Chip Network Processors

MOUSER STOCK NO.	Cypress Part No.	Package	Operating Voltage (V)	Firmware Version	Max. Input Clock (MHz)	Flash	ROM	SRAM	Timers/Counters	Price Each		
										1	25	50
727-CY753120E2-10SXI	CY7C53120E2-10SXI	SOIC-32	5.0	6	10	2K	10K	2K	2 16-Bit	11.51	10.04	9.71
727-CYC53120E440AXI	CY7C53120E4-40AXI	TQFP-44	5.0	12	40	4K	12K	2K	2 16-Bit	11.75	10.25	9.91
727-CY753120E4-40SXI	CY7C53120E4-40SXI	SOIC-32	5.0	12	40	4K	12K	2K	2 16 Bit	15.80	13.79	13.33

## CORE KITS

MOUSER STOCK NO.	Cypress Part No.	Description	Price Each
727-CY3210-PSOCEVAL1	CY3210-PSOCEVAL1	Eval Board with LCD Module + Mini Prog Unit	130.31
727-CY3215-DK	CY3215-DK	PSoC DevKit (ICE-Cube) with PDIP-28 Pod	420.94
727-CY3217	CY3217	PSoC1 USB Programming Tool to program all PSoC1 (except the CY25/26xxx devices) Devices	27.19

## SPECIALTY KITS

MOUSER STOCK NO.	Cypress Part No.	Description	Price Each
727-CY3207ISSP	CY3207ISSP	PSoC ISSP Programmer For Production	498.05
727-CY3209EXPRESS	CY3209-EXPRESSEVK	PSoC Express Development Kit	217.14
727-CY3214PSOCEVALUSB	CY3214-PSOCEVALUSB	Evaluation Board with LCD Module + Mini Prog Unit	167.60
727-CY3218-CAPEXP1	CY3218-CAPEXP1	CapSense ExpressTM Kit (Up to 10 I/O for Buttons)	95.12
727-CY3235-PROXDET	CY3235-PROXDET	CapSense Proximity Detection Demonstration	132.01
727-CY3240-I2USB	CY3240-I2USB	I2C-USB Bridge	118.68
727-CY3267	CY3267	PowerPSoC Lighting Evaluation Kit	187.50
727-CY3268	CY3268	PowerPSoC Lighting Starter Kit	63.00
727-CY3269N	CY3269N	Lighting Starter Demonstration Kit	33.25
727-CY3270	CY3270	PSoC First Touch Starter Kit	36.56
727-CY3271	CY3271	PSoC First Touch Kit with CYFI	133.17
727-CY3271-EXP1	CY3271-EXP1	PSoC First Touch Kit with CYFI & Expansion Board	135.94
727-CY3274	CY3274	Programmable High Voltage Powerline Communications Development Kit (for CY8CPLC20)	688.57
727-CY3275	CY3275	Programmable Low Voltage Powerline Communications Development Kit (for CY8CPLC20)	218.50
727-CY3276	CY3276	Programmable High Voltage Powerline Communications Development Kit w/EZ-Color (for CY8CLED16P01)	1018.57
727-CY3277	CY3277	Programmable Low Voltage Powerline Communications Development Kit w/EZ-Color (for CY8CLED16P01)	1018.57
727-CY3280-20X66	CY3280-20X66	Universal CapSense Controller Kit	244.23
727-CY3280-BBM	CY3280-BBM	Breadboard Module Prototyping kit	48.88
727-CY3280-BMM	CY3280-BMM	Matrixed Button Module	98.70
727-CY3280-BSM	CY3280-BSM	Simple Button Module Capsense	98.70
727-CY3280-SLM	CY3280-SLM	Linear Slider Module Capsense	98.70
727-CY3280-SRM	CY3280-SRM	Radial Slider Module Capsense	98.70
727-CY3675CLKMKR1	CY3675-CLKMKR1	CyClockMaker Programming Kit	268.00
727-CY3675-QFN24A	CY3675-QFN24A	CyClockMaker Socket Adapter	262.58
727-CY3684	CY3684	FX2LP Development Kit	525.00
727-CY4615B	CY4615B	Hi-speed USB 2.0-to-ATA/ATAPI Bus-Powered Reference Design (with EZ-USB AT2LP)	199.00
727-CY4636	CY4636	WirelessUSB LP Mouse & Keyboard RDK	375.00
727-CY8CKIT-001B	CY8CKIT-001B	PSoC Dev Kit 32-bit capable	249.00
727-CY8CKIT-002	CY8CKIT-002	MiniProg3 Programmer	90.00
727-CY8CKIT-006	CY8CKIT-006	PSoC 3 LCD Segment Drive Eval Kit	149.00
727-CY8CKIT-008	CY8CKIT-008	PSoC CY8C29 Family Processor Kit	61.25
727-CY8CKIT-010	CY8CKIT-010	PSoC 5 Processor Module Kit	65.00
727-CY8CKIT-014	CY8CKIT-014	PSoC 5 First Touch Kit	49.00
727-CY8CKIT-017	CY8CKIT-017	CAN/LIN Expansion Board Kit	62.50
727-CY8CKIT-025	CY8CKIT-025	PSoC Precision Analog Temperature Sensor Expansion Board	110.85
727-CY8CKIT-029A	CY8CKIT-029A	PSoC 3 LCD Segment Drive Expansion Board	59.00
727-CY8CKIT-030	CY8CKIT-030	PSoC3 Development Kit	99.39
727-CY8CKIT-050	CY8CKIT-050	PSoC@ 5 Development Kit	99.00

## ACCESSORY KITS

MOUSER STOCK NO.	Cypress Part No.	Description	Price Each
727-CY3210-29X66	CY3210-29X66	PSoC CY8C29X66 Evaluation Pod	153.75
727-CY3250-20SOIC-FK	CY3250-20SOIC-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 20 pin SOIC	109.00
727-CY3250-24X94QFN	CY3250-24X94QFN	PSoC CY8C24X94QFN Emulation Kit	343.27
727-CY325024X94QFNPD	CY3250-24X94QFN-POD	2 Replacement Pods for CY3250-24X94QFN Emulation Kit	301.97
727-CY3250-27XXX	CY3250-27XXX	PSoC CY8C27X43 Non-QFN Package Emulation Kit	367.26
727-CY3250-27XXX-POD	CY3250-27XXX-POD	2 Replacement Pods for CY3250-27XXX Emulation Kit	199.97
727-CY3250-27XXXQFN	CY3250-27XXXQFN	PSoC CY8C27X43QFN Emulation Kit	367.26
727-CY3250-28PDIP-FK	CY3250-28PDIP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 28 pin DIP	100.34
727-CY3250-28SOIC-FK	CY3250-28SOIC-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 28 pin SOIC	100.34
727-CY3250-28SSOP-FK	CY3250-28SSOP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 28 pin SSOP	100.34
727-CY3250-29XXX	CY3250-29XXX	PSoC CY8C29XXX Non-QFN Package Emulation Kit	367.26
727-CY325029XXXQFNPD	CY3250-29XXXQFN-POD	2 Replacement Pods for CY3250-29XXXQFN Emulation Kit	231.17
727-CY3250-44TQFP-FK	CY3250-44TQFP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 44 pin TQFP	115.14
727-CY3250-48QFN-FK	CY3250-48QFN-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 48 pin QFN	265.60
727-CY3250-48SSOP-FK	CY3250-48SSOP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 48 pin SSOP	99.99
727-CY3250-FLEXCABLE	CY3250-FLEXCABLE	1 Replacement Flexcable for CY3250 Emulation Kit	166.33

## WIRELESS USB

### Wireless USB IC

MOUSER STOCK NO.	Cypress Part No.	Package	Input Clock Operation	Operating Temp. (C°)	Range (Meters)	Operating Voltage (V)	Throughput (kbps)	Price Each		
								1	25	50
727-CYWUSB693448LTXC	CYWUSB6934-48LTXC	QFN-48	13MHz	0 to 70	10	2.7 to 3.6	62.5	6.20	4.96	4.57
727-CYRF6936-40LTXC	CYRF6936-40LTXC	QFN-40	-----	0 to 70	-----	1.8 to 3.6	250	2.77	2.36	2.08
727-CYUSB6953-48LFXC	CYUSB6953-48LFXC	QFN-48	13MHz	0 to 70	50	2.7 to 3.6	62.5	8.76	6.00	5.80

### Wireless USB Radio Modules

MOUSER STOCK NO.	Cypress Part No.	Package	Price Each		
			1	25	50
727-CYWM6935	CYWM6935	Range of up to 50 meters. Small PCB Design: .95" (23.75mm) x .95" (23.75mm) x .212" (5.3mm) (L x W x H)	9.75	9.10	8.78

