

CYPRESS Memory

RoHS Compliant This product is RoHS compliant.



MULTI-PORT MEMORIES

Cypress's multi-port memory solutions offer the highest-performing interconnects in the industry. Our multi-port memory portfolio includes more than 250 synchronous and asynchronous products in densities from 8Kb to 36Mb. The FullFlex™ family of high density synchronous dual-port SRAMs developed in 90nm technology is offered in 4Mb, 9Mb, 18Mb, and 36Mb densities in x18, x36, and x72 configurations. Cypress multi-ports are offered in industry-standard packaging such as: TQFP, FBGA, PLCC and molded DIP.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Package	Density	Organization	Speed (ns)	Temp. Range (°C)	Operating Voltage (V)	Price Each		
								1	25	50
Synchronous Dual Port SRAM										
727-CY7C09349AV-9AXC	CY7C09349AV-9AXC	TQFP-100	64K	4Kx18	9	0 to 70	3.0 to 3.6	16.58	16.58	15.47
727-CYC09159AV9AXC	CY7C09159AV-9AXC	TQFP-100	64K	8Kx9	9	0 to 70	3.0 to 3.6	22.00	18.59	15.95
727-CY7C09269V-9AXC	CY7C09269V-9AXC	TQFP-100	256K	16Kx16	9	0 to 70	3.0 to 3.6	40.47	35.31	34.14
ConsuMoBL Dual-Port Asynchronous SRAMs										
727-CYDC128B1655AXI	CYDC128B16-55AXI	TQFP-100	128K	8Kx16	55	-40 to +85	1.8 to 3.3	8.08	6.69	6.49

NON-VOLATILE SRAM

Cypress's nonvolatile SRAM integrates the company's proprietary Quantum Trap™ nonvolatile elements into high-performance SRAM memory cells. The memory array is accessed the same way as conventional SRAM, supporting standard system designs while adding the ability to retain data when power is lost. On power-up "recall," the nonvolatile elements set the state of the SRAM, then the nVSRAM can be read or written without altering the nonvolatile elements. Recall may also be initiated upon command. Parallel transfer of all data from the nonvolatile elements to SRAM requires a maximum of only 20 milliseconds to complete.



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MOUSER STOCK NO.	Cypress Part No.	Package	Density	Organization	Speed (ns)	Temp. Range (°C)	Operating Voltage (V)	Price Each		
								1	25	50
727-STK12C68-SF45I	STK12C68-SF45I	SOIC-8	64K	8Kx8	45	-40 to +85	4.5 to 5.5	13.75	12.82	12.63
727-STK12C68-SF45	STK12C68-SF45	SOIC-28	64K	8Kx8	45	0 to +70	4.5 to 5.5	7.26	6.97	6.69
727-STK12C68-SF45I	STK12C68-SF45I	SOIC-28	64K	8Kx8	45	-40 to +85	4.5 to 5.5	13.75	12.82	12.63
727-CY14B256LAZS25XI	CY14B256LA-ZS25XI	TSOP-44	256K	32Kx8	25	-40 to +85	2.7 to 3.6	17.52	15.77	14.98
727-CY14B256LASZ25XI	CY14B256LA-SZ25XI	SOIC-32	256K	32Kx8	25	-40 to +85	2.7 to 3.6	17.52	15.77	14.98
727-CY14B256LSP25XI	CY14B256LA-SP25XI	SSOP-48	256K	32Kx8	25	-40 to +85	2.7 to 3.6	17.52	15.77	14.98
727-CY14E256LASZ25XI	CY14E256LA-SZ25XI	SOIC-32	256K	32Kx8	25	-40 to +85	4.5 to 5.5	17.52	15.77	14.98
727-CY14B256LASZ45XI	CY14B256LA-SZ45XI	SOIC-32	256K	32Kx8	45	-40 to +85	2.7 to 3.6	16.94	11.55	11.17
727-CY14B101KASP25XI	CY14B101KA-SP25XI	SSOP-48	1M	128Kx8	25	-40 to +85	2.7 to 3.6	29.44	27.89	25.57
727-CY14B101LASZ25XI	CY14B101LA-SZ25XI	SOIC-32	1M	128Kx8	25	-40 to +85	2.7 to 3.6	26.10	23.49	22.08
727-CY14B101LSP25XI	CY14B101LA-SP25XI	SSOP-48	1M	128Kx8	25	-40 to +85	2.7 to 3.6	26.10	23.49	22.08
727-CY14B101LAZS25XI	CY14B101LA-ZS25XI	TSOP-44	1M	128Kx8	25	-40 to +85	2.7 to 3.6	26.10	23.49	22.08
727-CY14B104NAZSP25X	CY14B104NA-ZSP25XI	TSOP-54	4M	256Kx16	25	-40 to +85	2.7 to 3.6	27.90	25.77	25.02

SYNCHRONOUS SRAMS

Cypress is committed to offering a complete range of high-density synchronous SRAM families, including QDR/DDR, II and II, No Bus Latency™ and standard pipelined and flow-through products. From 1Mb to 72Mb, Cypress delivers the industry's broadest synchronous SRAM portfolio. This commitment to SRAM technology is demonstrated by the company's investment and product development in 65nm technology for 144Mb products. As a top-tier synchronous SRAM manufacturer, Cypress complements its products with best-in-class manufacturing and customer support. No other supplier can match Cypress in density, speed-grade options, temperature ranges, and TQFP and BGA leaded and lead-free packaging.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Package	Density	Organization	Freq. (MHz)	Temp. Range (°C)	Operating Voltage (V)	Price Each		
								1	25	50
Flow-Through Synchronous SRAMs										
727-CYC1325G133AXC	CY7C1325G-133AXC	TQFP-100	4M	256Kx18	133	0 to 70	3.14 to 3.63	9.40	8.26	7.52
727-CYC1361C133AXI	CY7C1361C-133AXI	TQFP-100	9M	256Kx36	133	-40 to +85	3.14 to 3.63	13.48	11.38	9.77
727-CYC1363C133AJXC	CY7C1363C-133AJXC	TQFP-100	9M	512Kx18	133	0 to 70	3.14 to 3.63	11.39	10.26	9.62
727-CYC1383D133AXI	CY7C1383D-133AXI	TQFP-100	18M	1Mx18	133	-40 to +85	3.14 to 3.63	24.82	22.99	21.90
Flow-Through (NoBL™ Architecture) Synchronous SRAMs										
727-CYC1351G100AXC	CY7C1351G-100AXC	TQFP-100	4M	128Kx36	100	0 to 70	3.14 to 3.63	6.72	6.06	5.60
727-CY7C1352G-133AXC	CY7C1352G-133AXC	TQFP-100	4M	256Kx18	133	0 to 70	3.14 to 3.63	8.08	6.06	5.85
727-CY7C1355C-133AXC	CY7C1355C-133AXC	TQFP-100	9M	256Kx36	133	0 to 70	3.14 to 3.63	10.14	10.14	9.80
727-CY7C1355C133BGXC	CY7C1355C-133BGXC	BGA-119	9M	256Kx36	133	0 to 70	3.14 to 3.63	12.80	12.04	10.92
727-CYC1357C133AXC	CY7C1357C-133AXC	TQFP-100	9M	512Kx18	133	0 to 70	3.14 to 3.63	11.33	10.20	9.73
727-CYC1356C166AXC	CY7C1356C-166AXC	TQFP-100	9M	512Kx18	166	0 to 70	3.14 to 3.63	11.39	10.26	9.71
727-CY7C1371D-100AXC	CY7C1371D-100AXC	TQFP-100	18M	512Kx16	100	0 to 70	3.14 to 3.63	24.06	22.45	21.65
Pipelined Synchronous SRAMs										
727-CY7C1329H-133AXC	CY7C1329H-133AXC	TQFP-100	2M	64Kx32	133	0 to 70	3.14 to 3.63	6.94	6.38	5.81
727-CYC1339G133AXC	CY7C1339G-133AXC	TQFP-100	4M	128Kx32	133	0 to 70	3.14 to 3.63	6.25	5.64	5.21
727-CYC1347G250AXC	CY7C1347G-250AXC	TQFP-100	4M	128Kx36	250	0 to 70	3.14 to 3.63	9.40	8.26	7.52
727-CYC1357C133AXI	CY7C1357C-133AXI	TQFP-100	9M	512Kx18	133	-40 to +85	3.14 to 3.63	13.80	11.65	10.00
727-CYC1360C200AXC	CY7C1360C-200AXC	TQFP-100	9M	256Kx36	200	0 to 70	3.14 to 3.63	12.32	11.10	10.72
727-CY7C1380D-167AXC	CY7C1380D-167AXC	TQFP-100	18M	512Kx36	167	0 to 70	3.14 to 3.63	24.06	22.45	21.60
727-CYC1380D167AXI	CY7C1380D-167AXI	TQFP-100	18M	512Kx36	167	-40 to +85	3.14 to 3.63	26.48	24.52	23.36
727-CYC1380D200AXC	CY7C1380D-200AXC	TQFP-100	18M	512Kx36	200	0 to 70	3.14 to 3.63	24.08	22.45	22.29
727-CY7C1382D-167AXC	CY7C1382D-167AXC	TQFP-100	18M	1Mx18	167	0 to 70	3.14 to 3.63	25.56	23.85	23.00
Pipelined (NoBL™ Architecture) Synchronous SRAMs										
727-CYC1350G133AXC	CY7C1350G-133AXC	TQFP-100	4M	128Kx36	133	0 to 70	3.14 to 3.63	6.72	6.06	5.60
727-CYC354CV25166AXC	CY7C1354CV25-166AXC	TQFP-100	9M	256Kx36	166	0 to 70	2.38 to 2.63	12.07	10.87	10.51
727-CYC1354C166AXC	CY7C1354C-166AXC	TQFP-100	9M	256Kx36	166	0 to 70	3.14 to 3.63	10.23	9.55	8.40
727-CYC1354C166AXI	CY7C1354C-166AXI	TQFP-100	9M	256Kx36	166	-40 to +85	3.14 to 3.63	11.49	10.35	9.79
727-CYC1360C166AXC	CY7C1360C-166AXC	TQFP-100	9M	256Kx36	166	0 to 70	3.14 to 3.63	13.14	11.46	11.08
727-CYC354CV25200AXC	CY7C1354CV25-200AXC	TQFP-100	9M	256Kx36	200	0 to 70	2.38 to 2.63	12.90	10.89	9.35
727-CYC1354C200AXC	CY7C1354C-200AXC	TQFP-100	9M	256Kx36	200	0 to 70	3.14 to 3.63	11.64	10.48	10.13
727-CY7C1354C-200AXI	CY7C1354C-200AXI	TQFP-100	9M	256Kx36	200	-40 to +85	3.14 to 3.63	11.99	11.29	10.23
727-CYC1356C166AXI	CY7C1356C-166AXI	TQFP-100	9M	512Kx18	166	-40 to +85	3.14 to 3.63	13.68	11.55	9.92
727-CYC1356C250AXC	CY7C1356C-250AXC	TQFP-100	9M	512Kx18	250	0 to 70	3.14 to 3.63	13.72	11.59	9.94
727-CY7C1370D200BGXC	CY7C1370D-200BGXC	BGA-119	18M	512Kx16	200	0 to 70	3.14 to 3.63	31.36	29.52	26.75
727-CYC370DV25200AXC	CY7C1370DV25-200AXC	TQFP-100	18M	512Kx16	200	0 to 70	2.38 to 2.63	27.09	25.08	24.30
727-CYC370DV25250AXC	CY7C1370DV25-250AXC	TQFP-100	18M	512Kx16	250	0 to 70	2.38 to 2.63	32.58	26.96	23.57
727-CYC1371D133AXC	CY7C1371D-133AXC	TQFP-100	18M	512Kx36	133	0 to 70	3.14 to 3.63	24.08	22.45	22.29
727-CYC1372D167AXC	CY7C1372D-167AXC	TQFP-100	18M	1Mx18	167	0 to 70	3.14 to 3.63	24.08	22.45	22.29