



Date: March 14, 2016

www.cypress.com/products/1-mb-quad-spi-nvsram

NEW PRODUCT ALERT!

Cypress New 1Mb Quad SPI nvSRAM Family

Cypress Introduces 1Mb nvSRAM with a Quad Serial Peripheral Interface for High-Throughput, Highly Reliable Data Capture on Power Loss

Cypress's new 1 Mb nonvolatile static random access memory (nvSRAM) with a Quad serial peripheral interface (SPI) enables the new nvSRAM to meet the data throughput performance of a larger parallel interface device with a smaller footprint. The new high-bandwidth nvSRAM ensures high-throughput data capture in event of a power loss for RAID storage, industrial automation and networking applications.

Ordering Information

Family	MPN	Features										Package Type	Register able	Disti Book Cost	Comments	
		Density	Interface	Speed	Min Voltage Supply	Max Voltage Supply	I/O Voltage	In Built RTC	16-SOIC	24-BGA	MOQ					OI
QSPI Serial nvSRAM	CY14V101QS-SF108XI	1Mb	SPI	108MHz	2.7V	3.6V	1.8V		√		92	92	Tube	Y	\$7.70	Available Now
	CY14V101QS-SF108XQ	1Mb	SPI	108MHz	2.7V	3.6V	1.8V		√		92	92	Tube	Y	\$7.70	Available Now
	CY14V101QS-BK108XI	1Mb	SPI	108MHz	2.7V	3.6V	1.8V			√	338	338	Tray	Y	\$7.98	Available Now
	CY14V101QS-BK108XQ	1Mb	SPI	108MHz	2.7V	3.6V	1.8V			√	338	338	Tray	Y	\$7.98	Available Now
	CY14V101PS-SF108XI	1Mb	SPI	108MHz	2.7V	3.6V	1.8V	√	√		92	92	Tube	Y	\$7.70	Available Now
	CY14V101QS-SE108XI	1Mb	SPI	108MHz	2.7V	3.6V	1.8V		√		92	92	Tube	Y	\$7.70	Available Now
	CY14V101QS-SE108XQ	1Mb	SPI	108MHz	2.7V	3.6V	1.8V		√		92	92	Tube	Y	\$7.70	Available Now

Price Book is the official Price Contract

Applications:

- RAID Storage
- Industrial Automation
- Computing and Networking
- **Silicon Sample Orders:** Available: *NOW!*
- **Production Order Entry:** Available *NOW!*

Silicon Logistic Attributes:

- HTS Code: 8542.32.0040
- ECCN Suball: None
- PB Free: Yes
- ECCN All: EAR99
- RoHS Compliant: Yes

Country of Origin:

- Philippines & Thailand

Sample Process:

- Place sample orders for active part numbers through my.cypress.com → MyApps → MySamples

Enter Partial part number in the SEARCH Field to determine which of the part numbers are available online.

Example: CY14V101QS (all available part numbers will be illustrated)

Enter the Part number you wish to sample

CY14V101QS

Part Number	MSRP	PLM Status	Sample Status ?	Order Now ?	Promo Code ?
CY14V101QS-SF108XIES	N/A	Production	Open Sampling	Add to Cart	Create Promo Code
CY14V101QS-SF108XI	N/A	Production	Open Sampling	Add to Cart	Create Promo Code

Enter partial part number to determine which part numbers are active for sampling

General Information: (Please *CLICK* on the links to access information)

- Press Release: [CY Debuts 1Mb Quad SPI nvSRAM](#)
- Datasheets: [1Mb Quad SPI nvSRAM](#)
- [New Product Introduction \(NPI\)](#)
- [Product Roadmap, Nonvolatile RAM](#)
- Video: [Quad SPI nvSRAM](#)
- [Video, nvSRAM Basics](#)
- Application Notes:
 - [AN96588 - Replacing Everspin QSPI MRAM with Cypress Quad SPI nvSRAM](#)
 - [AN96589 - Designing with Cypress 1-Mb Quad SPI nvsRAM](#)
 - [AN64574 - Designing with Serial Peripheral Interface \(SPI\) nvSRAM](#)
 - [AN89659 - Interfacing SPI F-RAM with PSoC® 4](#)
 - [AN302 - F-RAM™ SPI Read and Write Internal Operation and Data Protection](#)
 - [AN304 - SPI Guide for F-RAM™](#)
 - [AN408 - Design Guide to SPI F-RAM™ Processor Companion - FM33256B](#)
 - [AN52433 - Advantages of SPI nvSRAM over SPI EEPROM in Metering Applications](#)
 - [AN68174 - Migrating from SPI EEPROM to SPI nvSRAM](#)

Call to Action:

- Distribution Partners, Please setup all part numbers in your system to help speed up the ordering process*
- Product active for ordering, please place your stocking orders to support your design funnel.*
- Learn more about Nonvolatile Products, visit www.cypress.com/nonvolatile*