


FRAM 4Mbit Serial-SPI Interface 3V 8-Pin SOIC EIAJ Standard



Images are for reference only

[Inquiry](#)

Manufacturer:	Infineon Technologies Corporation
Package/Case:	SOP8
Product Type:	Memory
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

General Description

The CY15B104QSN-108SXI is a high-speed, low-power FRAM designed for applications requiring non-volatile data storage with fast read and write access. It uses the SPI interface for communication with the microcontroller or host system.

Key Features

Memory Capacity: The "4M" in the part number indicates that the FRAM has a capacity of 4 megabits (Mb), which is equivalent to 512 kilobytes (KB). The "512K x 8" specifies that it is organized as a 512K-word by 8-bit memory array.

SPI Interface: The CY15B104QSN-108SXI communicates with the microcontroller or host system through the Serial Peripheral Interface (SPI) protocol, providing easy interfacing.

High-Speed Access: FRAM offers fast read and write access, making it suitable for applications that require frequent data updates or fast data retrieval.

Non-Volatile Memory: FRAM is a non-volatile memory, which means it retains data even when the power is turned off.

Low Power Consumption: FRAM typically consumes lower power compared to other non-volatile memory technologies.

Compact Form Factor: The IC is available in a compact and surface-mount SOIC-8 package.

Application

Data Logging

Industrial Automation

Metering Systems

Wearable Devices

Smart Grid Applications

Recommended For You

CY62167ELL-45ZXI

Infineon Technologies Corporation

TSOP48

CY15B104Q-SXI

Infineon Technologies Corporation

SOP8

CY15B102Q-SXE

Infineon Technologies Corporation

SOP8

CY7C1009D-10VXI

Infineon Technologies Corporation
SOJ-32

CY7C1069G30-10ZSXI

Infineon Technologies Corporation
TSOP-54

CY7C1350G-133AXC

Infineon Technologies Corporation
QFP100

CY7C1480V33-167AXC

Infineon Technologies Corporation
TQFP100

CY7C1325B-117AC

Infineon Technologies Corporation
QFP-100L

CY14B108L-ZS45XI

Infineon Technologies Corporation
TSOP44

CY62146EV30LL-45ZSXIT

Infineon Technologies Corporation
TSSOP44

CY62146ELL-45ZSXI

Infineon Technologies Corporation
TSSOP-44

CY62167EV18LL-55BVXI

Infineon Technologies Corporation
BGA

CY7C1019DV33-10VXI

Infineon Technologies Corporation
SOJ32

CY7C1021DV33-10VXI

Infineon Technologies Corporation
SOJ44

CY7C1470V33-167AXI

Infineon Technologies Corporation
TQFP100