


## Serial Flash Configuration Device

<b>Manufacturer:</b>	<u>Intel Corp</u>
<b>Package/Case:</b>	SOP8
<b>Product Type:</b>	Programmable Logic ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Obsolete



Images are for reference only

[Inquiry](#)

## General Description

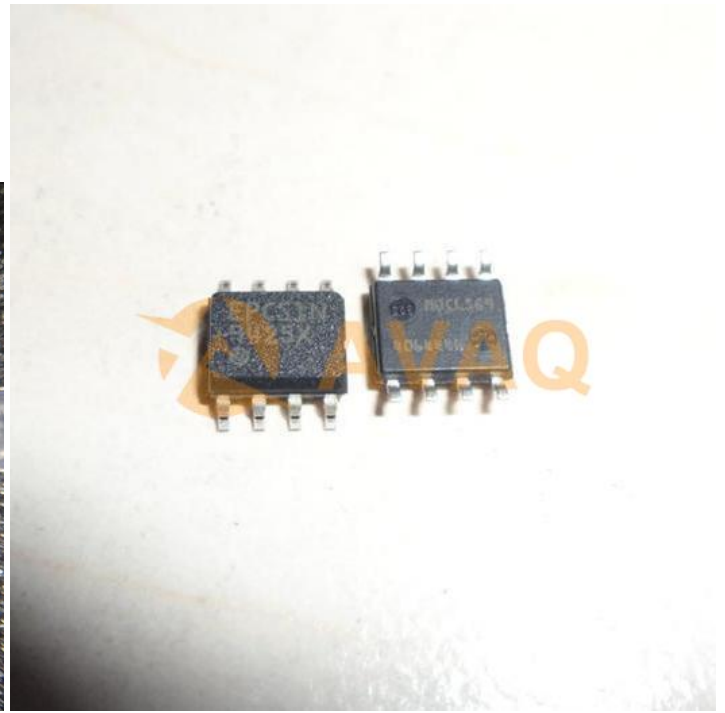
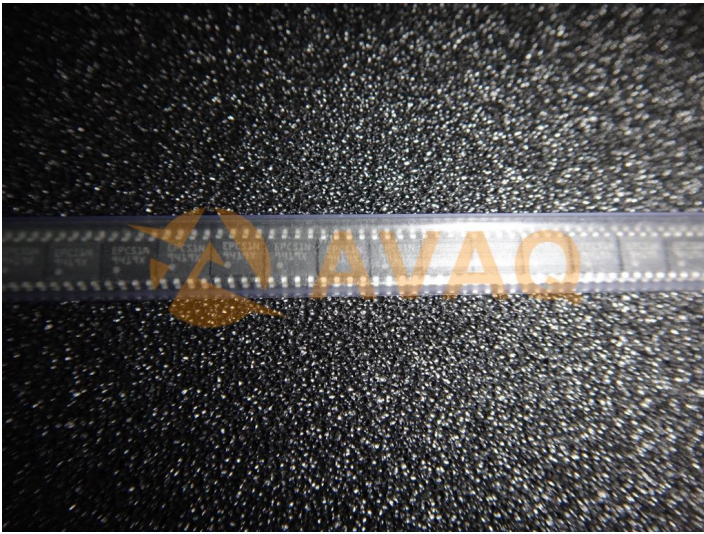
EPCS1SI8N is a serial configuration device (also known as a serial configuration EEPROM) manufactured by Intel (nowadays, the brand is owned by Microchip Technology). It is a small-sized (8-pin SOIC package), low-power (1.8 V to 5 V) non-volatile memory IC designed for storing configuration data of Field-Programmable Gate Arrays (FPGAs), System-on-Chip (SoC) devices, and other digital circuits.

### Key Features

- 1 Mbit (128 Kbytes) storage capacity.
- Serial Peripheral Interface (SPI) for easy interface with host systems.
- High endurance (at least 100,000 write cycles) and data retention (at least 20 years).
- Low power consumption (less than 5 mA active current, less than 5  $\mu$ A standby current).

### Application

- Storing the configuration data of FPGAs and SoCs.
- Storing the boot code of microcontrollers and processors.
- Storing the calibration data of sensors and instrumentation systems.
- Storing the firmware and parameters of industrial automation and control systems.
- Storing the cryptographic keys and security certificates of embedded devices.



## Recommended For You

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### EPMB256AQC208-10N

Intel Corp

QFP208

### EPCQ32ASI8N

Intel Corp

SOP8

### EPCQ32SI8N

Intel Corp

SOP8

### EPCQ64ASI16N

Intel Corp

SOP16

### EPCQ16SI8N

Intel Corp

SOP8

### EPC2II32

Intel Corp

QFP

### EPM7128STC100-15N

Intel Corp

QFP100

### EP1C6Q240I7N

Intel Corp

QFP240

### EPCQ128SI16N

Intel Corp

SOP16

### EPM7128SLC84-15N

Intel Corp

PLCC

### EPC1213PC8

Intel Corp

DIP8

### EP1K30TC144-3N

Intel Corp

QFP

### EPCS1S18

Intel Corp

SOP-8

### EPC1PI8N

Intel Corp

DIP8

### EPC2LI20N

Intel Corp

PLCC