

8 BIT 16K FLASH 4K RAM, Microcontrollers (MCU) 8B 16K FLASH 4K RAM

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	QFN-48
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC9S08AC16CFDE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC9S08AC16CFDE is a microcontroller unit (MCU) from NXP Semiconductors, formerly known as Freescale Semiconductor. It is a member of the S08AC family, which is based on the HCS08 core, an 8-bit microcontroller architecture.

### Features

- 16KB of flash memory
- 1KB of RAM
- 8-channel, 10-bit analog-to-digital converter (ADC)
- Two timer modules
- Two serial communication interfaces (SCI)
- One SPI interface
- 27 general-purpose input/output (GPIO) pins
- Low-power modes for battery-powered applications

### Application

- Industrial control systems
- Automotive applications (e.g. engine control, lighting systems, door locks, etc.)
- Medical devices
- Consumer electronics
- Home automation



### Related Products



[MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



[MCF5253CVM140](#)

NXP Semiconductor  
BGA-225



[MCF52223CAF80](#)

NXP Semiconductor  
100-LQFP



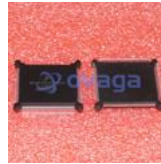
[MC9S12DG128MFUE](#)

NXP Semiconductor  
QFP-80



[MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



[MC68332ACEH20](#)

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[MC9S12DP512VPVE](#)

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LQFP-112



[MC9S08GT8AMFBE](#)

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QFP-44