

MICROCONTROLLER MCU, 16 BIT, HC16, 25MHZ,MCU Applications:Automotive, Architecture:HC16, MCU Core Size:16bit, Program Memory Size:1MB, RAM Memory Size:1KB, CPU Speed:25MHz

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	PQFP-132
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC68HC16Z1CEH25 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC68HC16Z1CEH25 is a microcontroller chip manufactured by NXP Semiconductors. It is part of the HC16 family of microcontrollers and is designed for high-performance embedded control applications.

## Features

16-bit CPU core

25 MHz clock frequency

512 KB Flash memory

16 KB RAM

8-channel DMA controller

Two 16-bit timer modules

16-bit modular I/O subsystem

Three serial communication interfaces

16-bit analog-to-digital converter (ADC)

JTAG debug interface

Operating voltage range: 4.5V to 5.5V

## Application

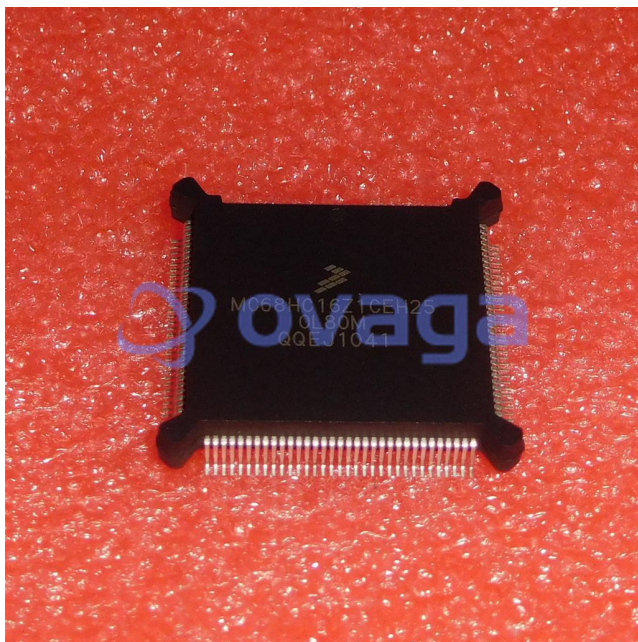
Automotive systems, such as engine control units (ECUs) and body control modules (BCMs)

Industrial control systems, such as motor control and robotics

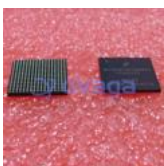
Medical equipment, such as patient monitoring systems

Security systems, such as access control and surveillance cameras

Consumer electronics, such as home automation and entertainment systems



## Related Products



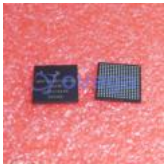
### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



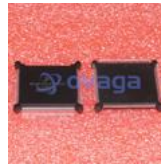
### [MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



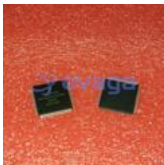
[MCF5253CVM140](#)

NXP Semiconductor  
BGA-225



[MC68332ACEH20](#)

NXP Semiconductor  
QFP132



[MCF52223CAF80](#)

NXP Semiconductor  
100-LQFP



[MC9S12DP512VPVE](#)

NXP Semiconductor  
LQFP-112



[MC9S12DG128MFUE](#)

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QFP-80



[MC9S08GT8AMFBE](#)

NXP Semiconductor  
QFP-44