

16 BIT MCU, 1K RAM, Microcontrollers (MCU) 16 BIT MCU 1K RAM

Manufacturers	<u>NXP Semiconductor</u>
Package/Case	LQFP-144
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC68HC16Z1CAG25 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC68HC16Z1CAG25 is a microcontroller unit (MCU) produced by Freescale Semiconductor, now a part of NXP Semiconductors. It belongs to the HC16 microcontroller family, which is based on a 16-bit architecture and is designed for high-performance embedded control applications.

## Features

Operating frequency: 25 MHz

Memory: 128 KB flash memory, 6 KB EEPROM, and 8 KB RAM

On-chip peripherals: 2-channel DMA, 8-channel timer, 8-channel 10-bit ADC, 2-channel SCI, 2-channel SPI, 96 I/O pins, and more.

Low-power modes

3.3V operation

## Application

Industrial control systems

Automotive control systems

Medical equipment

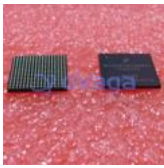
Robotics

Power management

Security systems

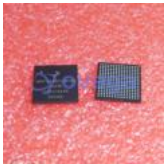


## Related Products



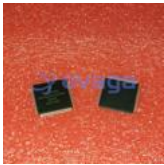
### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



### [MCF5253CVM140](#)

NXP Semiconductor  
BGA-225



### [MCF52223CAF80](#)

NXP Semiconductor  
100-LQFP



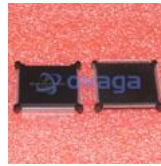
### [MC9S12DG128MFUE](#)

NXP Semiconductor  
QFP-80



### [MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



### [MC68332ACEH20](#)

NXP Semiconductor  
QFP132



### [MC9S12DP512VPVE](#)

NXP Semiconductor  
LQFP-112



### [MC9S08GT8AMFBE](#)

NXP Semiconductor  
QFP-44