

Microprocessors - MPU 16-BIT MPU

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	PLCC-68
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MC68HC000EI16 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MC68HC000EI16 is a microprocessor from the Motorola 68000 family of 32-bit CISC processors. It was first introduced in 1984 and is still in use today in various embedded systems.

## Features

- 16 MHz clock speed
- 32-bit internal architecture with 24-bit addressing
- 56-pin ceramic or plastic package
- 68,000 CPU core with integrated memory management unit (MMU)
- 8 kilobytes (KB) of on-chip static random-access memory (SRAM)
- On-chip direct memory access (DMA) controller
- Four 16-bit timer/counters
- 8-channel analog-to-digital converter (ADC)
- Multiple serial communication interfaces (SCI) and parallel interfaces (PIO)

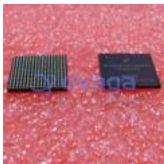
## Application

- Industrial control systems
- Robotics
- Medical equipment
- Telecommunications equipment
- Military and aerospace systems
- Automotive systems





## Related Products



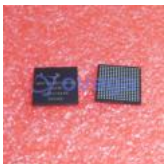
### [MCIMX6Y2CVM08AA](#)

NXP Semiconductor  
MAPBGA-289



### [MC68302CEH20C](#)

NXP Semiconductor  
PQFP-132



### [MCF5253CVM140](#)

NXP Semiconductor  
BGA-225



### [MC68332ACEH20](#)

NXP Semiconductor  
QFP132



### [MCF52223CAF80](#)

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100-LQFP



### [MC9S12DP512VPVE](#)

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LQFP-112



### [MC9S12DG128MFUE](#)

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QFP-80



### [MC9S08GT8AMFBE](#)

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QFP-44