16-Bit Single-Chip Microcontroller

| | |
|---|---|
| Manufacturers | Infineon Technologies Corporation |
| Package/Case | QFP80 |
| Product Type | Embedded Processors & Controllers |
| RoHS | |
| Lifecycle | |

Images are for reference only

Please submit RFQ for SAK-C164CL-8RM or Email to us: sales@ovaga.com We will contact you in 12 hours.        RFQ

## General Description

SAK-C164CL-8RM is a microcontroller from Infineon Technologies, which belongs to the C166 family. It is a high-performance 16-bit single-chip microcontroller that operates at a maximum clock frequency of 40 MHz. The device is designed for use in embedded systems that require a high degree of reliability, robustness, and real-time processing.

## Features

16-bit C166 CPU core

Up to 64 KB of on-chip program memory (Flash)

Up to 8 KB of on-chip data memory (RAM)

Multiple communication interfaces, including UART, CAN, SPI, and I2C

Up to 26 general-purpose I/O lines

Analog-to-digital converter (ADC) with up to 16 channels

Pulse-width modulation (PWM) unit for motor control applications

On-chip debug unit (OCDS) for real-time debugging and testing

## Application

SAK-C164CM-8RM

SAK-C164CI-8EM

SAK-C164CL-8RM-CA

SAK-C164CM-8RM-CA

SAK-C164CI-8EM-CA

## Related Products



[SAK-XC164CS-32F40F](#)

Infineon Technologies Corporation

TQFP-100



[SAB-C167SR-LM](#)

Infineon Technologies Corporation

DC00 PACKAGE QFP 144PIN TRAY

**SAK-C167CS-L40M**

Infineon Technologies Corporation

MQFP-144

**SAK-C167SR-LM**

Infineon Technologies Corporation

QFP-160

**SAF-C164CI-8EM**

Infineon Technologies Corporation

QFP-80

**SAF-XC161CJ-16F40F**

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TQFP144

**SAK-XC161CJ-16F40F**

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TQFP-144

**SAK-C167CR-4RM**

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QFP142