

16-Bit Single-Chip Microcontroller

Manufacturers	Infineon Technologies Corporation
Package/Case	TQFP-144
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for SAK-XC161CJ-16F40F or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

SAK-XC161CJ-16F40F is a microcontroller unit (MCU) developed by Infineon Technologies. It is a member of the XC161 family, which is based on a 16-bit C166SV2 core with an integrated peripheral set.

Features

16-bit C166SV2 core running at up to 40 MHz

256 KB flash memory

8 KB data memory (RAM)

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

Multiple communication interfaces (UART, I2C, SPI, CAN)

Timers, PWM, and watchdog functions

Operating voltage range: 2.7V to 5.5V

Application

Automotive control systems (e.g., engine management, transmission control, powertrain control)

Industrial automation and control systems

Medical equipment

Motor control systems

Security systems



Related Products



[SAK-XC164CS-32F40F](#)

Infineon Technologies Corporation
TQFP-100



[SAK-CI67CS-L40M](#)

Infineon Technologies Corporation
MQFP-144



[SAF-CI64CI-8EM](#)

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[SAK-CI64CL-8RM](#)

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[SAB-CI67SR-LM](#)

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QFP-160



[SAF-XC161CJ-16F40F](#)

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[SAK-CI67CR-4RM](#)

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QFP142