

16-Bit Single-Chip Microcontroller

Manufacturers	Infineon Technologies Corporation
Package/Case	TQFP144
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

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

[RFQ](#)

General Description

SAF-XC161CJ-16F40F is a microcontroller from Infineon Technologies AG. It belongs to the XC16x/C16x/ST10 family of microcontrollers and is based on the 16-bit C166SV2 processor core.

Features

Maximum operating frequency: 40 MHz

128 KB of on-chip Flash memory

8 KB of on-chip RAM

2 UARTs (Universal Asynchronous Receiver/Transmitter)

2 CAN (Controller Area Network) interfaces

2 SPI (Serial Peripheral Interface) interfaces

1 I2C (Inter-Integrated Circuit) interface

8-channel 10-bit ADC (Analog-to-Digital Converter)

4-channel 16-bit PWM (Pulse Width Modulation) unit

4-channel Capture/Compare Unit (CCU4)

4-channel Quadrature Encoder Interface (QEI)

Watchdog Timer, Real-Time Clock, and Power Management Unit

Application

Automotive electronics (engine management, body electronics, etc.)

Industrial control systems

Medical equipment

Building automation

Security systems

Consumer electronics





Related Products



[SAK-XC164CS-32F40F](#)

Infineon Technologies Corporation
TQFP-100



[SAK-C167CS-L40M](#)

Infineon Technologies Corporation
MQFP-144



[SAF-C164CI-8EM](#)

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QFP-80



[SAK-XC161CJ-16F40F](#)

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TQFP-144



[SAB-C167SR-LM](#)

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DC00 PACKAGE QFP 144PIN TRAY



[SAK-C167SR-LM](#)

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QFP-160



[SAK-C164CL-8RM](#)

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QFP80



[SAK-C167CR-4RM](#)

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QFP142