

C16x-Family of High-Performance CMOS 16-Bit Microcontrollers

Manufacturers	<u>Infineon Technologies Corporation</u>
Package/Case	QFP-100
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for SAB-C165-LM or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

SAB-C165-LM is a 16-bit microcontroller based on the C16x architecture from Infineon Technologies AG. It is designed for embedded applications that require high processing performance and low power consumption. Some of its features include:

### Features

- 16-bit C16x CPU core running at up to 25 MHz
- 32 KB on-chip RAM and up to 256 KB on-chip Flash memory
- Three 16-bit timer modules, one 32-bit timer module, and one watchdog timer
- Two serial interfaces (UART, SPI, and I2C), one CAN interface, and one LIN interface
- 8-channel 10-bit ADC and 8-channel PWM unit
- Operating voltage range from 2.4V to 5.5V

### Application

- Automotive body electronics, such as door and window control, lighting control, and HVAC systems
- Industrial automation, such as motor control, power management, and factory automation
- Consumer electronics, such as home appliances, gaming devices, and audio equipment

**Infineon**

SAB-C166-LM-HA

(1P) : SP000089216

(1T) : 0VVL3475IA4

(9D) : 1249 (Q) : 330 *270x5* (X) : 98387143

ATID BTHW0177121226 Level/Temp: 3/260

**Pb**





**Related Products**



[BTT6200-4ESA](#)

Infineon Technologies Corporation  
SSOP-24



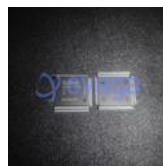
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