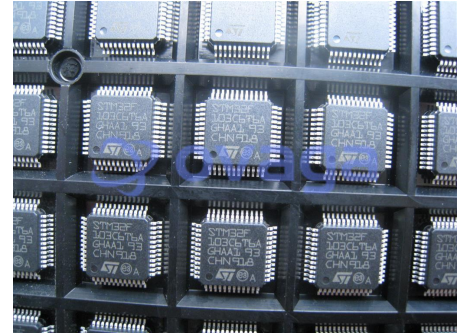


Performance line, ARM-based 32-bit MCU with Flash, USB, CAN, seven 16-bit timers, two ADCs and nine communication interfaces, Microcontrollers (MCU) 32BIT Cortex M3 32KB 10KB RAM 2X12ADC

Manufacturers	STMicroelectronics, Inc
Package/Case	LQFP-48
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for STM32F103C6T6 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

STM32F103C6T6 is a microcontroller from STMicroelectronics, which belongs to the STM32F1 series. It is based on the ARM Cortex-M3 processor core and is part of the STM32 family of microcontrollers.

Features

CPU: ARM Cortex-M3 core running at up to 72 MHz

Flash Memory: 32 KB of on-chip flash memory for program storage.

RAM: 10 KB of on-chip RAM for data storage.

Peripherals: It has a rich set of peripherals including GPIO, UART, SPI, I2C, PWM, ADC, and more, which makes it suitable for a wide range of applications.

Operating Voltage: It operates at a voltage range of 2.0V to 3.6V, making it compatible with a variety of power supply options.

Package: STM32F103C6T6 comes in a TSSOP-20 package, which makes it compact and suitable for space-constrained applications.

Application

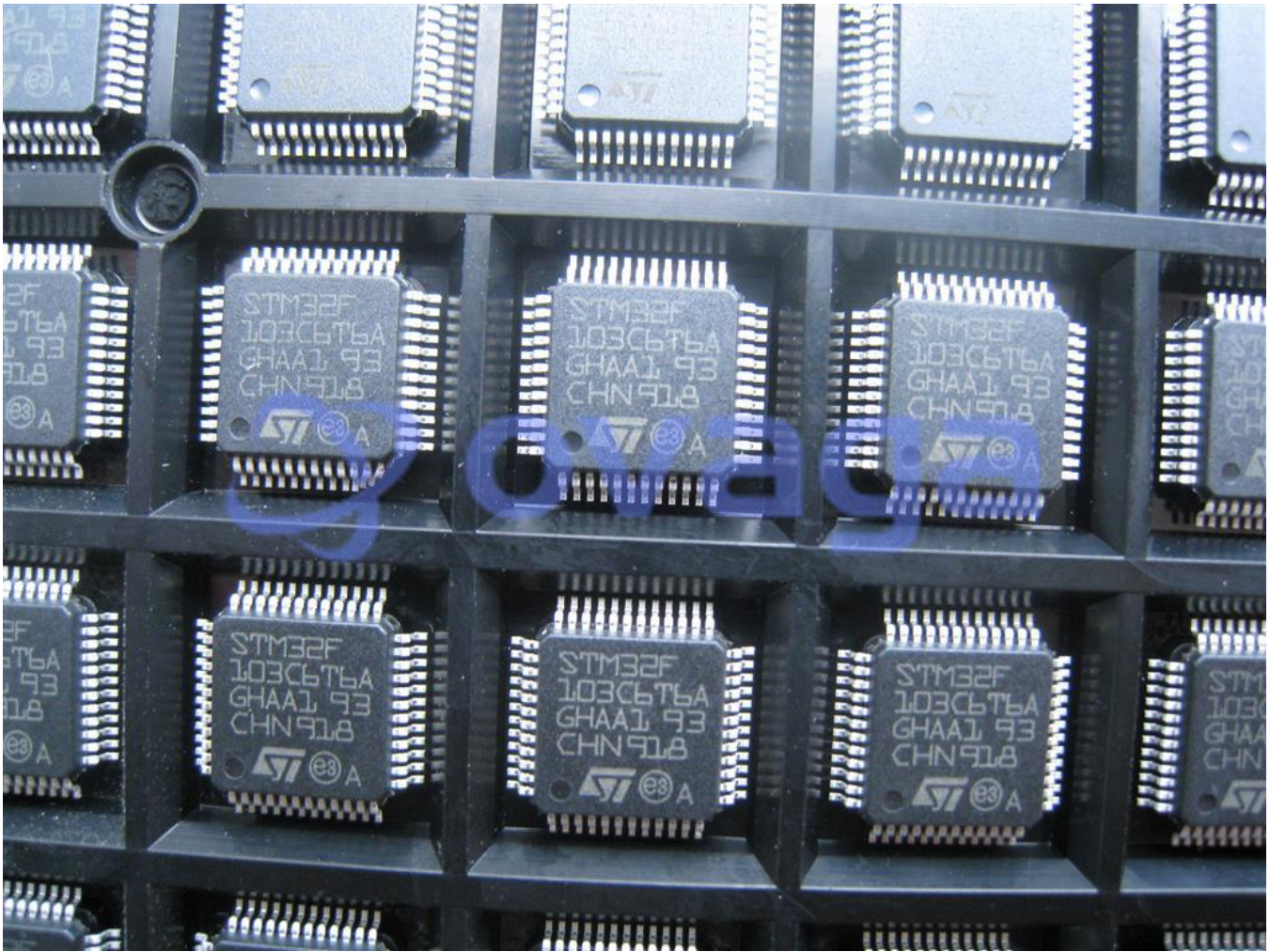
Industrial automation: It can be used in various industrial automation applications such as motor control, process control, and industrial networking.

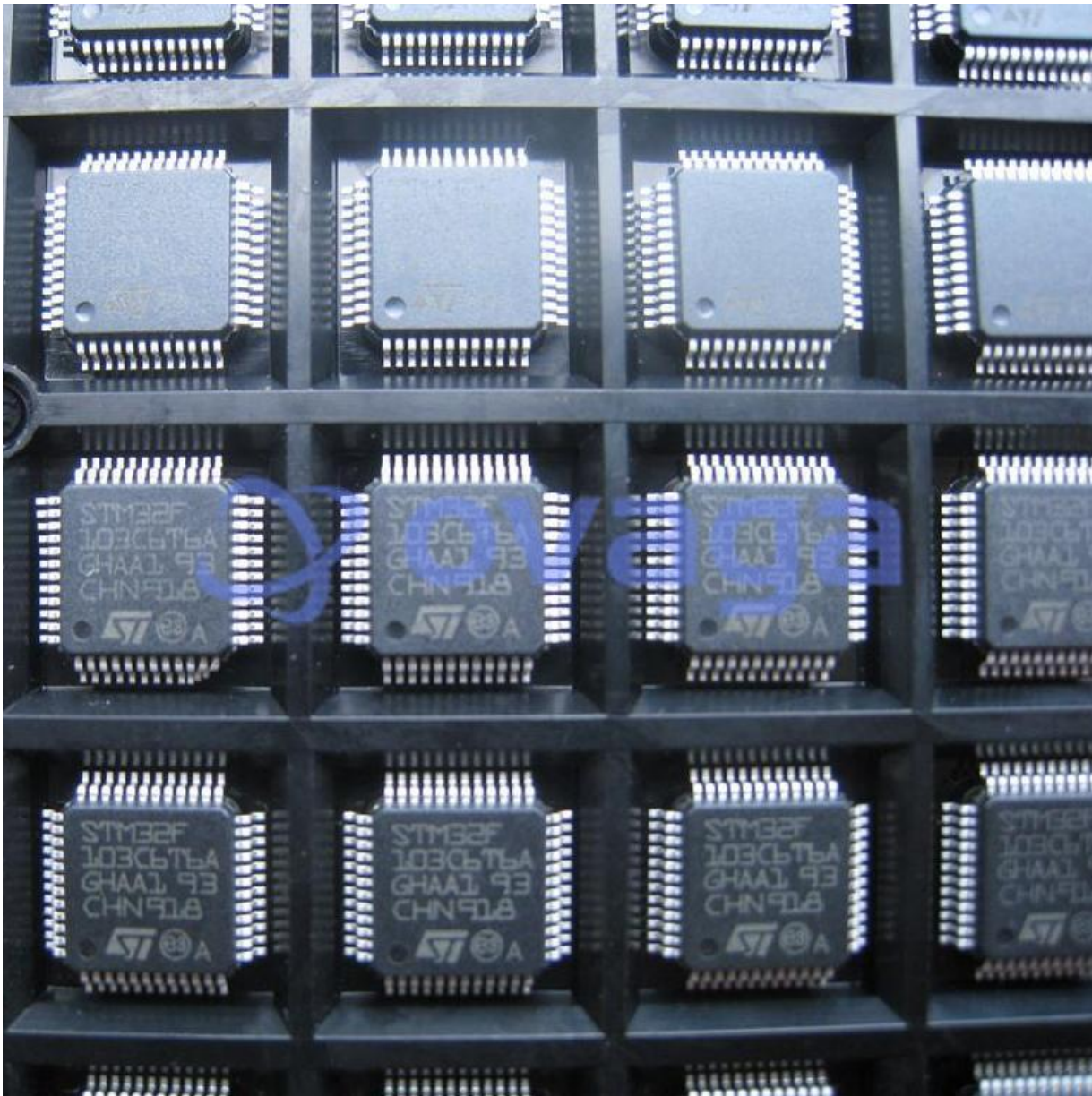
Consumer electronics: It can be used in consumer electronics products such as smart home devices, wearable devices, and audio equipment.

Internet of Things (IoT): It can be used in IoT applications such as smart sensors, smart meters, and IoT gateways.

Medical devices: It can be used in medical devices such as patient monitoring systems, infusion pumps, and blood glucose monitors.

Automotive: It can be used in automotive applications such as electronic control units (ECUs), body control modules (BCMs), and infotainment systems.





Related Products



[STM32L151VET6](#)

STMicroelectronics, Inc
LQFP-100



[STM32L152VCT6](#)

STMicroelectronics, Inc
LQFP10014x14x1.4



[STM32F102C6T6A](#)

STMicroelectronics, Inc
LQFP48



[STM32L476JEY6TR](#)

STMicroelectronics, Inc
72-UFBGA, WLCSP



[STM32L452RET6P](#)

STMicroelectronics, Inc
64-LQFP



[STM32F429BGT6](#)

STMicroelectronics, Inc
208-LQFP



[STM32F446VCT6](#)

STMicroelectronics, Inc
100-LQFP



[STM32G071CBT6TR](#)

STMicroelectronics, Inc
48-LQFP