

32 Bit Microcontroller, Ultra Low Power, ARM Cortex-M3, 32 MHz, 512 KB, 80 KB, 100, LQFP ;RoHS Compliant: Yes

Manufacturers	STMicroelectronics, Inc
Package/Case	LQFP-100
Product Type	Embedded Processors & Controllers
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for STM32L151VET6 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

STM32L151VET6 is a microcontroller from the STM32L1 series, which is a low-power microcontroller series developed by STMicroelectronics. It is based on the ARM Cortex-M3 core and is designed for use in battery-powered and energy-efficient applications.

Features

- ARM Cortex-M3 core operating at up to 32 MHz.
- Flash memory ranging from 256 KB to 512 KB.
- SRAM ranging from 32 KB to 80 KB.
- Low-power features, including multiple low-power modes, power gating, and a voltage range of 1.65V to 3.6V.
- Rich set of peripherals, including GPIOs, UART, SPI, I2C, ADC, DAC, timers, and more.
- Security features, such as hardware encryption and decryption, secure boot, and memory protection unit (MPU).
- LCD controller for driving segmented and dot matrix LCD displays.
- Multiple oscillator options, including high-speed and low-power oscillators.
- Temperature sensor and real-time clock (RTC) with backup registers.

Application

- Battery-powered devices, such as wearables, IoT devices, and portable medical devices.
- Home automation and smart energy management systems.
- Industrial automation and control systems.
- Sensor networks and wireless communication systems.
- Consumer electronics, including remote controls, gaming devices, and smart appliances.
- Automotive applications, such as dashboard displays, telematics, and infotainment systems.



Related Products



[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



[STM32F302VET6](#)

STMicroelectronics, Inc
100-LQFP