



# STM32L471VGT6

Manufacturer Part Number	<b>STM32L471VGT6</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L471VGT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1MB FLASH 100LQFP
Package	100-LQFP
Data sheet	<b>STM32L471xx.pdf</b>
RoHs Status	ROHS3 Compliant

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STM32L471VGT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L471VGT6 datasheet/specifications on AllelcoElec.com.  
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## Specifications

STM32L471VGT6 Tech Specifications  
STM32L471VGT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	82
Speed	80MHz	Mounting Type	Surface Mount
Series	STM32L4	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	Connectivity	CANbus, EBI/EMI, I²C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART
Package / Case	100-LQFP	Base Product Number	STM32L471
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L471VGT6

Product Attribute				
Part Number	STM32L471VGT6	STM32L462CEU6	STM32L471QG16	STM32L471ZEJ3TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	82	38	109	114
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT	Brown-out Detect/Reset, DMA, PWM, WDT
Data Converters	A/D 16x12b; D/A 2x12b	A/D 10x12b; D/A 1x12b	A/D 19x12b; D/A 2x12b	A/D 24x12b SAR; D/A 2x12b
EEPROM Size	-	-	-	-
Connectivity	CANbus, EBI/EMI, I²C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART	CANbus, I²C, IrDA, LINbus, QSPI, SAI, SPI, UART/USART, USB	CANbus, EBI/EMI, I²C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART	CANbus, EBI/EMI, I²C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Supplier Device Package	100-LQFP (14x14)	48-UFQFPN (7x7)	132-UFBGA (7x7)	144-UFBGA (10x10)
Base Product Number	STM32L471	STM32L462	STM32L471	-
Program Memory Size	1MB (1M x 8)	512KB (512K x 8)	1MB (1M x 8)	512KB (512K x 8)
RAM Size	128K x 8	160K x 8	128K x 8	128K x 8
Oscillator Type	Internal	Internal	Internal	External, Internal
Package / Case	100-LQFP	48-UFQFN Exposed Pad	132-UFBGA	144-UFBGA
Series	STM32L4	STM32L4	STM32L4	STM32L4
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Speed	80MHz	80MHz	80MHz	80MHz
Package	Tray	Tray	Tray	Tape & Reel (TR)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)

## STM32L471VGT6 Datasheet PDF

Download STM32L471VGT6 pdf datasheets and STMicroelectronics documentation for STM32L471VGT6 - STMicroelectronics.

### PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

### PCN Assembly/Origin

Mult Dev 01/Mar/2021.pdf

## PCN Design/Specification

 Mult Dev Material Chgs 28/Feb/2023.pdf

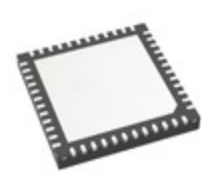
 STM32L4/4+ DS Update 30/May/2018.pdf

## HTML Datasheet

 STM32L471xx.pdf

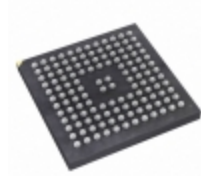
## Customers Also Interested in

### Recommended Products



#### STM32L462CEU6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH  
48UFQFPN



#### STM32L471QGI6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 132UFBGA



#### STM32L471ZEJ3TR

STMicroelectronics  
CONTROLLER / PROCESSOR



#### STM32L471RET6TR

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



#### STM32L471VGT6TR

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



#### STM32L471VET6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH  
100LQFP



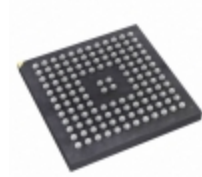
#### STM32L475VET6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH  
100LQFP



#### STM32L475VGT6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



#### STM32L471QEI6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH  
132UFBGA



#### STM32L475RGT6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64LQFP



#### STM32L471RGT6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 64LQFP



#### STM32L471ZGT6

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 144LQFP



#### STM32L471VGT3

STMicroelectronics  
IC MCU 32BIT 1MB FLASH 100LQFP



#### STM32L471VET6TR

STMicroelectronics  
IC MCU 32BIT 512KB FLASH  
100LQFP



#### STM32L471RET6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



#### STM32L475RET6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



#### STM32L462RET6

STMicroelectronics  
IC MCU 32BIT 512KB FLASH 64LQFP



#### STM32L475VCT6

STMicroelectronics  
IC MCU 32BIT 256KB FLASH  
100LQFP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

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The payment method can be chosen from the methods shown below:  
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## Certifications & Memberships



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