





# STM32L431CCY6TR

Manufacturer Part Number	<b>STM32L431CCY6TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L431CCY6TR
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 49WLCSP
Package	49-UFBGA, WLCSP
Data sheet	<b>STM32L431xx Datasheet.pdf</b>
RoHS Status	 ROHS3 Compliant



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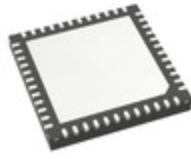


## Specifications

STM32L431CCY6TR Tech Specifications  
STM32L431CCY6TR - 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	49-WLCSP (3.14x3.13)	Number of I/O	39
Speed	80MHz	Mounting Type	Surface Mount
Series	STM32L4	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 10x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USART
Package / Case	49-UFBGA, WLCSP	Base Product Number	STM32L431
Package	Tape & Reel (TR)		

## Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STM32L431CCY6TR

Product Attribute	 NO PICTURE			
Part Number	STM32L431CCY6TR	<b>STM32L431C8U6TR</b>	<b>STM32L431CCT6TR</b>	<b>STM32L431CCT6</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	49-UFBGA, WLCSP	48-UFQFN Exposed Pad	48-LQFP	48-LQFP
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Speed	80MHz	80MHz	80MHz	80MHz
RAM Size	64K x 8	64K x 8	64K x 8	64K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	256KB (256K x 8)	128KB (128K x 8)	256KB (256K x 8)	256KB (256K x 8)
EEPROM Size	-	-	-	-
Number of I/O	39	38	39	39
Base Product Number	STM32L431	STM32L431	STM32L431	STM32L431
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tray
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
Series	STM32L4	STM32L4	STM32L4	STM32L4
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USART	CANbus, I <sup>2</sup> C, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USART	CANbus, I <sup>2</sup> C, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USART	CANbus, I <sup>2</sup> C, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USART
Data Converters	A/D 10x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b
Supplier Device Package	49-WLCSP (3.14x3.13)	48-UFQFPN (7x7)	48-LQFP (7x7)	48-LQFP (7x7)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core


## STM32L431CCY6TR Datasheet PDF

Download STM32L431CCY6TR pdf datasheets and STMicroelectronics documentation for STM32L431CCY6TR - STMicroelectronics.

### PCN Design/Specification

 STM32L4/4+ DS Update 30/May/2018.pdf
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### HTML Datasheet

 STM32L431xx Datasheet.pdf
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 2.73KHz.pdf

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<b>STM32L431CCU6TR</b> STMicroelectronics IC MCU 32BIT 256KB FLSH 48UFQFPN	<b>STM32L431CBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	<b>STM32L431RBT6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	<b>STM32L431CCU6</b> STMicroelectronics IC MCU 32BIT 256KB FLSH 48UFQFPN	<b>STM32L431CXY6TR</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 49WLCSP	<b>STM32L431RCI6TR</b> STMicroelectronics CONTROLLER / PROCESSOR
					
<b>STM32L431RBI6</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64UFBGA	<b>STM32L431KCU6</b> STMicroelectronics IC MCU 32BIT 256KB FLSH 32UFQFPN	<b>STM32L431KBU6</b> STMicroelectronics IC MCU 32BIT 128KB FLSH 32UFQFPN	<b>STM32L431RCI6</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 64UFBGA	<b>STM32L431CCY6</b> STMicroelectronics	<b>STM32L431KBU3</b> STMicroelectronics IC MCU 32BIT 128KB FLSH 32UFQFPN

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- > 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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Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
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