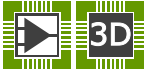



# STM32F411CEY6TR

Manufacturer Part Number	<b>STM32F411CEY6TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32F411CEY6TR
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 49WLCSP
Package	49-UFBGA, WLCSP
Data sheet	<b>STM32F411xC, STM32F411xE.pdf</b>
RoHs Status	 ROHS3 Compliant


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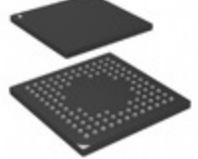


## Specifications

STM32F411CEY6TR Tech Specifications  
 STM32F411CEY6TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	49-WLCSP (3x3.19)	Number of I/O	36
Speed	100MHz	Mounting Type	Surface Mount
Series	STM32F4	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB OTG
Package / Case	49-UFBGA, WLCSP	Base Product Number	STM32F411
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32F411CEY6TR

Product Attribute	 NO PICTURE			
Part Number	STM32F411CEY6TR	<b>STM32F411VCH6</b>	STM32F411VCT6	STM32F411RCT7TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	STM32F4	STM32F4	STM32F4	STM32F4
Package / Case	49-UFBGA, WLCSP	100-UFBGA	100-LQFP	64-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	49-WLCSP (3x3.19)	100-UFBGA (7x7)	100-LQFP (14x14)	64-LQFP (10x10)
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V
RAM Size	128K x 8	128K x 8	128K x 8	128K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Connectivity	I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB OTG	I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB OTG	I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB OTG	I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB OTG
Base Product Number	STM32F411	STM32F411	STM32F411	STM32F411
EEPROM Size	-	-	-	-
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT
Program Memory Size	512KB (512K x 8)	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Speed	100MHz	100MHz	100MHz	100MHz
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Number of I/O	36	81	81	50
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 10x12b	A/D 16x12b	A/D 16x12b	A/D 16x12b


## STM32F411CEY6TR Datasheet PDF


Download STM32F411CEY6TR pdf datasheets and STMicroelectronics documentation for STM32F411CEY6TR - STMicroelectronics.

### PCN Packaging

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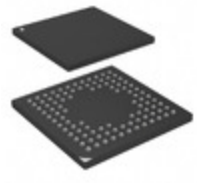




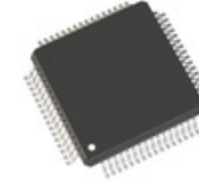
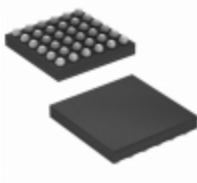


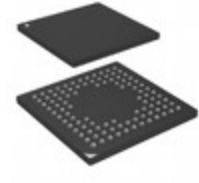
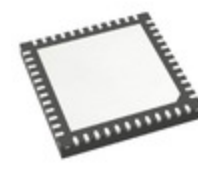
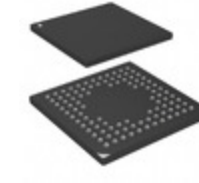

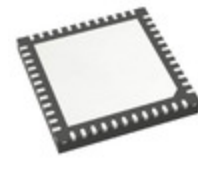



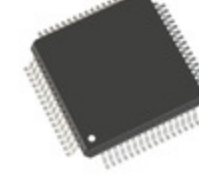
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<b>STM32F410TBY6TR</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 36WLCSP	<b>STM32F411VET6</b> STMicroelectronics IC MCU 32BIT 512KB FLASH 100LQFP	<b>STM32F411RCT6</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	<b>STM32F411VEH6</b> STMicroelectronics IC MCU 32BIT 512KB FLSH 100UFBGA	<b>STM32F411CEU6</b> STMicroelectronics IC MCU 32BIT 512KB FLSH 48UFQFPN	<b>STM32F411VEH6TR</b> STMicroelectronics IC MCU 32BIT 512KB FLSH 100UFBGA
					
<b>STM32F411CEY6</b> STMicroelectronics	<b>STM32F411CCU6TR</b> STMicroelectronics IC MCU 32BIT 256KB FLSH 48UFQFPN	<b>STM32F411RCT6TR</b> STMicroelectronics CONTROLLER / PROCESSOR	<b>STM32F410RBT7TR</b> STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	<b>STM32F411CCY6TR</b> STMicroelectronics IC MCU 32BIT 256KB FLASH 49WLCSP	<b>STM32F411RET6</b> STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP

## 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.

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  - > 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.  
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