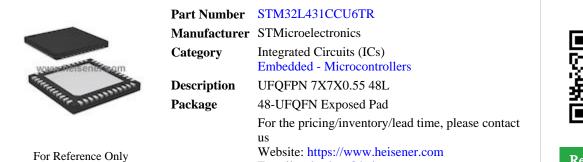


STM32L431CCU6TR

STM32L431CCU6TR Information



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Certified Quality

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STM32L431CCU6TR Specifications

CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage48-UFQFN Exposed PadPackageSTM32L4Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed80MHzConnectivityCANbus, IPC, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USARTPreipheralsBrown-out Detect/Reset, DMA, PWM, WDTNumber of I/O39Program Memory Size256KB (256K x 8)EPEROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 10x12b, D/A 2x12bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFN Exposed PadSupplier Device Package48-UFQFN Exposed Pad			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage48-UFQFN Exposed PadPackageSTM32L4Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed80MHzConnectivityCANbus, IPC, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USARTPreipheralsBrown-out Detect/Reset, DMA, PWM, WDTNumber of I/O39Program Memory Size256KB (256K x 8)EPEROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 10x12b, D/A 2x12bOscillator Type-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFN Exposed PadSupplier Device Package48-UFQFN Exposed Pad	Manufacturer Part Number	STM32L431CCU6TR	
Embedded - MicrocontrollersPackage48-UFQFN Exposed PadSeriesSTM32L4Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed80MHzConnectivityCANbus, PC, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, PWM, WDTNumber of I/O39Program Memory Size256KB (256K x 8)PERDM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature40°C ~ 85°C (TA)Mounting Type48-UFQFN Exposed PadSupplier Device Package48-UFQFN (7x7)	Manufacturer	STMicroelectronics	
Package48-UFQFN Exposed PadSeriesSTM32L4Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed80MHzConnectivityCANbus, IPC, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, PWM, WDTNumber of I/O39Program Memory Size565KB (256K x 8)PERPOM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator Type-Portaring Temperature40°C ~ 85°C (TA)Mounting Type48-UFQFN Exposed PadSupplier Device Package48-UFQFN (7x7)	Category	Integrated Circuits (ICs)	
SeriesSTM32L4Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed80MHzConnectivityCANbus, PC, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, PWM, WDTNumber of I/O39Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1,71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-Prokage / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFN (7x7)		Embedded - Microcontrollers	
Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed80MHzConnectivityCANbus, PC, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USARTPripheralsBrown-out Detect/Reset, DMA, PWM, WDTNumber of I/O39Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator Type-Mounting Type-Prokage / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFN (7x7)	Package	48-UFQFN Exposed Pad	
Core Size32-BitSpeed80MHzConnectivityCANbus, PC, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, PWM, WDTNumber of I/O39Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN (zx7)	Series	STM32L4	
Speed80MHzConnectivityCANbus, I²C, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, PWM, WDTNumber of I/O39Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1,71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator Type-40°C ~ 85°C (TA)Mounting Type-40°C ~ 85°C (TA)Package / Case84.UFQFN Exposed PadSupplier Device Package48-UFQFN (7x7)	Core Processor	ARM® Cortex®-M4	
Connectivity CANbus, IPC, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USART Peripherals Brown-out Detect/Reset, DMA, PWM, WDT Number of I/O 39 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 10x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Package / Case 48-UFQFN Exposed Pad Supplier Device Package 48-UFQFN (7x7)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, PWM, WDTNumber of I/O39Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFPN (7x7)	Speed	80MHz	
Number of I/O 39 Program Memory Size 256KB (256K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 64K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 10x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-UFQFN Exposed Pad Supplier Device Package 48-UFQFN (7x7)	Connectivity	CANbus, I ² C, IrDA, LINbus, QSPI, SAI, SPI, SWPMI, UART/USART	
Program Memory Size256KB (256K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadAury Parkage48-UFQFN (7x7)	Peripherals	Brown-out Detect/Reset, DMA, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFPN (7x7)	Number of I/O	39	
EEPROM Size-RAM Size64K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFN (7x7)	Program Memory Size	256KB (256K x 8)	
RAM Size64K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFPN (7x7)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFN (7x7)	EEPROM Size	-	
Data ConvertersA/D 10x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFPN (7x7)	RAM Size	64K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFN (7x7)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFPN (7x7)	Data Converters	A/D 10x12b, D/A 2x12b	
Mounting Type-Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFPN (7x7)	Oscillator Type	Internal	
Package / Case48-UFQFN Exposed PadSupplier Device Package48-UFQFPN (7x7)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package48-UFQFPN (7x7)	Mounting Type	-	
	Package / Case	48-UFQFN Exposed Pad	
Report errors?	Supplier Device Package	48-UFQFPN (7x7)	
			Report errors?

STM32L431CCU6TR Guarantees



Quality Guarantees

We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

STM32L431CCU6TR Payment Methods





If you have any question about STM32L431CCU6TR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com