

# STM32L476RGT3

### STM32L476RGT3 Information

Martin Sener.com		STM32L476RGT3 STMicroelectronics	
	Category	Integrated Circuits (ICs) Embedded - Microcontrollers	1.4.4.4
	Description	LQFP 64 10X10X1.4 1	- 3534285 (
	Package	64-LQFP	
		For the pricing/inventory/lead time, please contact us	E1667774
For Reference Only	Only	Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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## STM32L476RGT3 Specifications

Annufacturer     STMicroelectronics       Manufacturer     STMicroelectronics       Category     Integrated Circuits (ICs)       Embedded - Microcontrollers     Embedded - Microcontrollers       Package     64-LQFP       Series     STM32L4       Core Processor     ARM® Cortex®-M4       Core Size     32-Bit       Speed     80MHz       Connectivity     CANbus, PC, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG       Program Memory Size     Brown-out Detect/Reset, DMA, LCD, PWM, WDT       Program Memory Size     IMB (IM x 8)       Program Memory Size     IASK       Voltage - Supply (Vcc/Vdd)     1.71 V ~ 3.6 V       Data Converters     AD 16x12b, D/A 2x12b       Oscillator Type     Internal       Operating Temperature     40°C ~ 125°C (TA)       Prockage / Case     64-LQFP		
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage64-LQFPSeriesSTM32L4Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed80MHzConnectivityCANbus, PC, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTGProgram Memory SizeFinourout Detect/Reset, DMA, LCD, PWM, WDTProgram Memory SizeIMB (IM x 8)EEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vd)1.71 V~ 3.6 VData ConvertersAD 16x12b, D/A 2x12bOperating Temperature-40°C ~ 125°C (TA)Mounting Type64-LQFP (10x10)	Manufacturer Part Number	STM32L476RGT3
Enbedded - MicrocontrollersPackage64-LQFPSeriesSTM32L4Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed80MHzConcectivityCANbus, PC, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, LCD, PWM, WDTNumber of I/O51Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bDocillator Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Manufacturer	STMicroelectronics
Add Contention       G4-LQFP       Series     STM32L4       Core Processor     ARM® Cortex®-M4       Core Size     32-Bit       Speed     80MHz       Connectivity     CANbus, PC, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG       Preripherals     Brown-out Detect/Reset, DMA, LCD, PWM, WDT       Number of I/O     51       Program Memory Size     IMB (1M x 8)       Program Memory Type     FLASH       EEPROM Size     -       Voltage - Supply (Vcc/Vd)     1.71 V ~ 3.6 V       Data Converters     AD 16x12b, D/A 2x12b       Octilator Type     Internal       Operating Temperature     -40°C ~ 125°C (TA)       Package / Case     64-LQFP       Supplier Device Package     64-LQFP	Category	Integrated Circuits (ICs)
SeriesSTM32L4Core ProcessorARM@ Cortex@-M4Core Size32-BitSpeed80MHzConnectivityCANbus, PC, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, LCD, PWM, WDTNumber of I/O51Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 16x12b, D/A 2x12bDocaltor TypeInternalOperating Temperature-Prackage / Case64-LQFPSupplier Device Package64-LQFP (10x10)		Embedded - Microcontrollers
Core NoteARM® Cortex®-M4Core Size32-BitSpeed80MHzConnectivityCANbus, PC, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, LCD, PWM, WDTNumber of I/O51Program Memory SizeIMB (IM x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 16x12b, D/A 2x12bDocating Temperature-40°C ~ 125°C (TA)Operating Temperature64-LQFPPackage / Case64-LQFP (10x10)	Package	64-LQFP
Core Size32-BitSpeed80MHzConnectivityCANbus, PC, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, LCD, PWM, WDTNumber of I/O51Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-Nutage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Prackage / Case64-LQFP (10x10)	Series	STM32L4
Speed80MHzConnectivityCANbus, PC, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, LCD, PWM, WDTNumber of I/O51Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)171 V ~ 3.6 VData ConvertersAD 16x12b, D/A 2x12bOscillator Type-Operating Temperature-40°C ~ 125°C (TA)Prackage / Case64-LQFP (Inx10)	Core Processor	ARM® Cortex®-M4
ConnectivityCANbus, I²C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTGPeripheralsBrown-out Detect/Reset, DMA, LCD, PWM, WDTNumber of I/O51Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vda)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOperating Temperature-40°C ~ 125°C (TA)Operating Temperature-40°C ~ 125°C (TA)Package / Case64-LQFP (10x10)	Core Size	32-Bit
PeripheralsBrown-out Detect/Reset, DMA, LCD, PWM, WDTNumber of I/O51Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Speed	80MHz
Number of I/O51Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB OTG
Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Peripherals	Brown-out Detect/Reset, DMA, LCD, PWM, WDT
Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Number of I/O	51
EEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Program Memory Size	1MB (1M x 8)
RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	EEPROM Size	-
Data ConvertersA/D 16x12b, D/A 2x12bDscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	RAM Size	128K x 8
Oscillator TypeInternalOperating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Operating Temperature-40°C ~ 125°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Data Converters	A/D 16x12b, D/A 2x12b
Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Oscillator Type	Internal
Package / Case 64-LQFP   Supplier Device Package 64-LQFP (10x10)	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 64-LQFP (10x10)	Mounting Type	-
	Package / Case	64-LQFP
Report errors?	Supplier Device Package	64-LQFP (10x10)
		Report errors?

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**Quality Guarantees** 

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