

AT32F4xx independent PWM output

Questions:

What is the maximum number of independent PWM output for different packages of AT32F4xx

Answer:

The table below shows the maximum number of independent PWM output for different packages of AT32F4xx series. For more information on the IO output and PWM pinout, please refer to the attached excel file *Number of independent PWM output of AT32F4XX*.

For the same package, AT32F4xx outputs more independent PWM than Sxx32F103 in number, for example, for LQFP64/ LQFP100/ LQFP144 packages, AT32F403/AT32F435/ AT32F437 can output up to 36 channels compared to 24 channels of Sxx32F103.

Part number	Packages	Max. number of independent PWM output channel	Description
435_437Zx	LQFP144	36	Refer to "435_437Zx" for IO details
403Zx	LQFP144	36	Refer to "403Zx" for IO details
435_437Vx	LQFP100	35	Refer to "435_437Vx" for IO details
407Vx	LQFP100	32	Refer to "407Vx" for IO details
403AVx	LQFP100	32	Refer to "403AVx" for IO details
435_437Rx	LQFP64	33	Refer to "435_437Rx" for IO details
425Rx	LQFP64	18	Refer to "425Rx" for IO details
407Rx	LQFP64	28	Refer to "407Rx" for IO details
403ARx	LQFP64	28	Refer to "403ARx" for IO details
413Rx	LQFP64	28	Refer to "413Rx" for IO details
415Rx	LQFP64	24	Refer to "415Rx" for IO details
435_437Cx	LQFP48 /QFN48	25	Refer to "435_437Cx" for IO details
425Cx	LQFP48 /QFN48	18	Refer to "425Cx" for IO details
403ACx	LQFP48 QFN48	24	Refer to "403ACx" for IO details
413Cx	LQFP48 QFN48	24	Refer to "413Cx" for IO details
415Cx	LQFP48	24	Refer to "415Cx" for IO details
421Cx	LQFP48	13	Refer to "421Cx" for IO details
425KxT7	LQFP32	15	Refer to "425KxT7" for IO details
425KxU7	QFN32	16	Refer to "425KxU7" for IO details
413Kx	QFN32	19	Refer to "413Kx" for IO details
415Kx	QFN32	19	Refer to "415Kx" for IO details
421KxT7	LQFP32	13	Refer to "421KxT7" for IO details
421KxU7	QFN32	13	Refer to "421KxU7" for IO details
421Gx	QFN28	12	Refer to "421Gx" for IO details
425Fx	TSSOP20	12	Refer to "425Fx" for IO details
421Fx	TSSOP20	8	Refer to "421Fx" for IO details

Type: MCU

Applicable products: AT32F4XX

Main function: TMR

Minor function: None

Document revision history

Date	Revision	Changes
2022.3.21	2.0.0	Initial release

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