

# NEW ARM CORTEX M4 SERIES FROM GIGADEVICE

PART NO.	SERIES	MAX SPEED (MHz)	(Bytes) FLASH	(Bytes) SRAM	I/O	GPTM (16bit)	ADVANCED TM (16bit)	BASIC TM (16bit)	SYSTICK (24bit)	WDOG	FPU	USART+UART	I2C	SPI	CAN 2.0B	USB 2.0 FS	FS	SDIO	ETHERNET	EMMC	12BIT ADC UNITS (QHS)	12BIT DAC UNITS	GD32F303		
																							MEMORY (K)	TIMER	CONNECTIVITY
GD32F303CCT6		120	256	48	up to 37	4	1	2	1	3	2	3	1	1	2								3(10)	2	LQFP48
GD32F303CET6		120	512	64	up to 37	4	1	2	1	3	2	3	1	1	2								3(10)	2	LQFP48
GD32F303CGT6		120	1024	96	up to 37	10	1	2	1	3	2	3	1	1	2								3(10)	2	LQFP48
GD32F303RCT6		120	256	48	up to 51	4	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP64
GD32F303RET6		120	512	64	up to 51	4	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP64
GD32F303RGT6		120	1024	96	up to 51	10	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP64
GD32F303RIT6		120	2048	96	up to 51	10	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP64
GD32F303R KT6		120	3072	96	up to 51	10	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP64
GD32F303VCT6		120	256	48	up to 80	4	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP100
GD32F303VET6		120	512	64	up to 80	4	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP100
GD32F303VGT6		120	1024	96	up to 80	10	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP100
GD32F303VIT6		120	2048	96	up to 80	10	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP100
GD32F303V KT6		120	3072	96	up to 80	10	2	2	1	5	2	3	1	1	2								3(16)	2	LQFP100
GD32F303ZCT6		120	256	48	up to 112	4	2	2	1	5	2	3	1	1	2								3(21)	2	LQFP144
GD32F303ZET6		120	512	64	up to 112	4	2	2	1	5	2	3	1	1	2								3(21)	2	LQFP144
GD32F303ZGT6		120	1024	96	up to 112	10	2	2	1	5	2	3	1	1	2								3(21)	2	LQFP144
GD32F303ZIT6		120	2048	96	up to 112	10	2	2	1	5	2	3	1	1	2								3(21)	2	LQFP144
GD32F303Z KT6		120	3072	96	up to 112	10	2	2	1	5	2	3	1	1	2								3(21)	2	LQFP144
GD32F305RBT6		120	128	64	up to 51	4	1	2	1	5	2	3	2	2	OTG								2(16)	2	LQFP64
GD32F305RCT6		120	256	96	up to 51	4	1	2	1	5	2	3	2	2	OTG								2(16)	2	LQFP64
GD32F305RET6		120	512	96	up to 51	4	2	2	1	5	2	3	2	2	OTG								2(16)	2	LQFP64
GD32F305RGT6		120	1024	96	up to 51	10	2	2	1	5	2	3	2	2	OTG								2(16)	2	LQFP64
GD32F305VCT6		120	256	96	up to 80	4	1	2	1	5	2	3	2	2	OTG								2(16)	2	LQFP100
GD32F305VET6		120	512	96	up to 80	4	2	2	1	5	2	3	2	2	OTG								2(16)	2	LQFP100
GD32F305VGT6		120	1024	96	up to 80	10	2	2	1	5	2	3	2	2	OTG								2(16)	2	LQFP100
GD32F305ZCT6		120	256	96	up to 112	4	2	2	1	5	2	3	2	2	OTG								2(21)	2	LQFP144
GD32F305ZET6		120	512	96	up to 112	4	2	2	1	5	2	3	2	2	OTG								2(21)	2	LQFP144
GD32F305ZGT6		120	1024	96	up to 112	10	2	2	1	5	2	3	2	2	OTG								2(21)	2	LQFP144
GD32F307RCT6		120	256	96	up to 51	4	1	2	1	5	2	3	2	2	OTG								2(16)	2	LQFP64



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SERIES	PART NO.	MAX SPEED (MHz)	(Bytes) FLASH	(Bytes) SRAM	I/O	GPTM (16BIT)	GPTM (8BIT)	ADVANCED TM (16BIT)	BASIC TM (16BIT)	Systick (24BIT)	WDG	FIC	USART+UART	I2C	SPI	USB 2.0 FS	IIS	CEC	COMP	12BIT ADC UNITS (CHS)	12BIT DAC UNITS	PACKAGE	CORTEX®-M4 MCUS SELECTION GUIDE			
																							MEMORY (K)	TIMER	CONNECTIVITY	ANALOG INTERFACE
GD32F330	GD32F330F4P6	84	16	4	up to 15	1	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	TSSOP20			
	GD32F330F6P6	84	32	4	up to 15	1	4	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	TSSOP20			
	GD32F330F8P6	84	64	8	up to 15	1	4	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	TSSOP20			
	GD32F330G4U6	84	16	4	up to 23	1	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	QFN28		
	GD32F330G6U6	84	32	4	up to 23	1	4	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	QFN28		
	GD32F330G8U6	84	64	8	up to 23	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	QFN28		
	GD32F330K4U6	84	16	4	up to 27	1	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	QFN32		
	GD32F330K6U6	84	32	4	up to 27	1	4	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	QFN32		
	GD32F330K8U6	84	64	8	up to 27	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	QFN32		
	GD32F330C4T6	84	16	4	up to 39	1	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	LQFP48		
	GD32F330C6T6	84	32	4	up to 39	1	4	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	LQFP48		
	GD32F330C8T6	84	64	8	up to 39	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP48		
	GD32F330CBT6	84	128	16	up to 39	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP48		
	GD32F330R8T6	84	64	16	up to 55	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP64		
GD32F330RBT6	84	128	16	up to 55	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP64			
GD32F350	GD32F350G4U6	108	16	4	up to 24	1	5	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	QFN28		
	GD32F350G6U6	108	32	6	up to 24	1	5	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	QFN28		
	GD32F350G8U6	108	64	8	up to 24	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	QFN28		
	GD32F350K4U6	108	16	4	up to 27	1	5	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	QFN32		
	GD32F350K6U6	108	32	6	up to 27	1	5	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	QFN32		
	GD32F350K8U6	108	64	8	up to 27	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	QFN32		
	GD32F350C4T6	108	16	4	up to 39	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP48		
	GD32F350C6T6	108	32	6	up to 39	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP48		
	GD32F350C8T6	108	64	8	up to 39	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP48		
	GD32F350CBT6	108	128	16	up to 39	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP48		
GD32F350R4T6	108	16	4	up to 55	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP64			
GD32F350R6T6	108	32	8	up to 55	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP64			
GD32F350R8T6	108	64	16	up to 55	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP64			
GD32F350RBT6	108	128	16	up to 55	1	5	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	LQFP64			