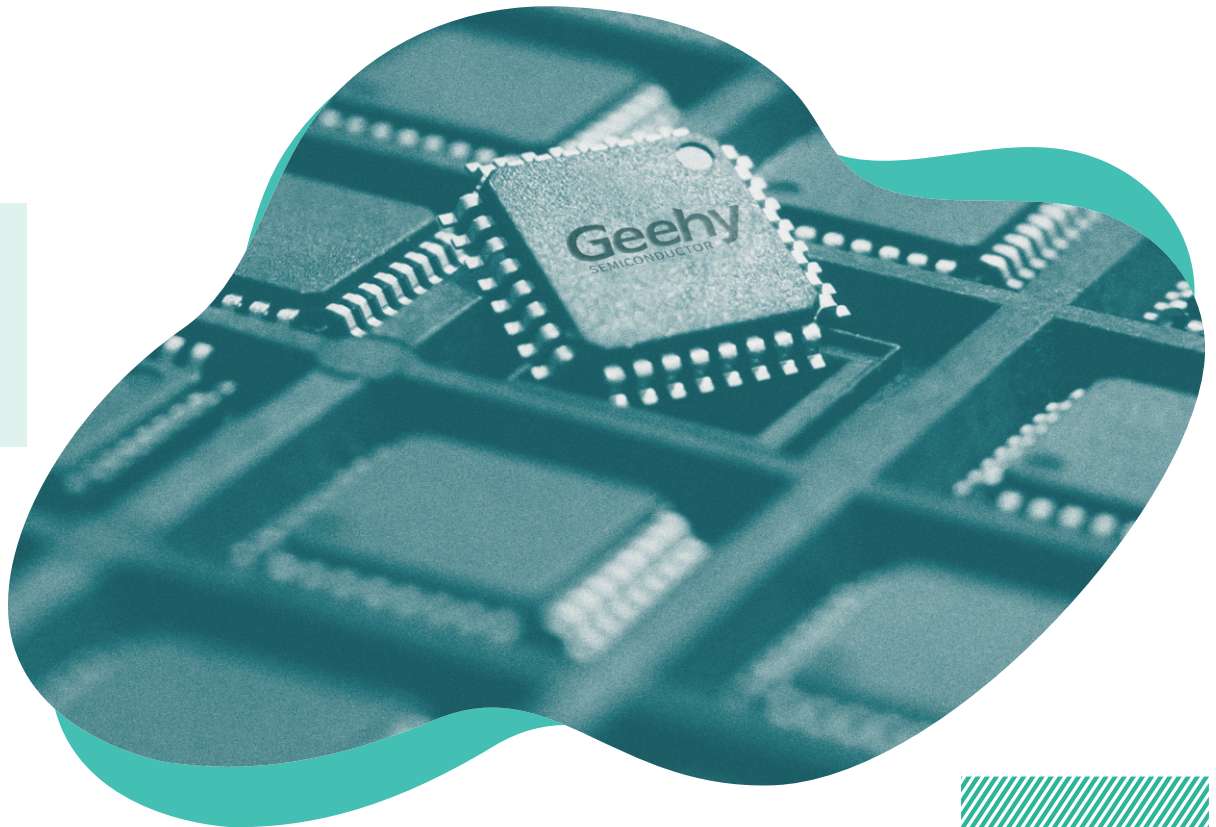


PRODUCT SELECTION GUIDE

32-bit APM32 Industrial&Automotive Grade MCU
GW Series Wireless MCU



APM32 Series Industrial Grade MCUs — Arm® Cortex®-M0+

Part No.	Frequency(MHz)	FLASH(KB)	SRAM(KB)	SDRAM	FPU	I/Os	Vmin(V)	Vmax(V)	Timer								Analog Interface						Connectivity								Package
									GP1MR(16bit)	GP1MR(32bit)	Advanced TMR(16bit)	Basic TMR	Systick(24bit)	IWDG	WWDG	RTC	ADC 12-bit Cell	ADC 12-bit Channels	DAC 12-bit Cell	DAC 12-bit Channels	Analog Comparator	TSC (Channels)	SPI	I2S	I2C	U(S)ART	CAN	SDIO	USB Device	CEC	
APM32F091CBT6	48	128	32	0	0	38	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	24	2	2	2	6	1	0	0	1	LQFP48	
APM32F091C8U6	48	128	32	0	0	38	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	24	2	2	2	6	1	0	0	1	QFN48	
APM32F091CCT6	48	256	32	0	0	38	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	24	2	2	2	6	1	0	0	1	LQFP48	
APM32F091CCU6	48	256	32	0	0	38	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	24	2	2	2	6	1	0	0	1	QFN48	
APM32F091RBT6	48	128	32	0	0	52	2	3.6	5	1	1	2	1	1	1	1	16	1	2	2	24	2	2	2	8	1	0	0	1	LQFP64	
APM32F091RCT6	48	256	32	0	0	52	2	3.6	5	1	1	2	1	1	1	1	16	1	2	2	24	2	2	2	8	1	0	0	1	LQFP64	
APM32F091VBT6	48	128	32	0	0	88	2	3.6	5	1	1	2	1	1	1	1	16	1	2	2	24	2	2	2	8	1	0	0	1	LQFP100	
APM32F091VCT6	48	256	32	0	0	88	2	3.6	5	1	1	2	1	1	1	1	16	1	2	2	24	2	2	2	8	1	0	0	1	LQFP100	
APM32F072VBT6	48	128	16	0	0	87	2	3.6	5	1	1	2	1	1	1	1	16	1	2	2	24	2	2	2	4	1	0	1	1	LQFP100	
APM32F072V8T6	48	64	16	0	0	87	2	3.6	5	1	1	2	1	1	1	1	16	1	2	2	24	2	2	2	4	1	0	1	1	LQFP100	
APM32F072RBT6	48	128	16	0	0	51	2	3.6	5	1	1	2	1	1	1	1	16	1	2	2	18	2	2	2	4	1	0	1	1	LQFP64	
APM32F072R8T6	48	64	16	0	0	51	2	3.6	5	1	1	2	1	1	1	1	16	1	2	2	18	2	2	2	4	1	0	1	1	LQFP64	
APM32F072C8U6	48	128	16	0	0	37	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	17	2	2	2	4	1	0	1	1	QFN48	
APM32F072C8U6	48	64	16	0	0	37	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	17	2	2	2	4	1	0	1	1	QFN48	
APM32F072CBT6	48	128	16	0	0	37	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	17	2	2	2	4	1	0	1	1	LQFP48	
APM32F072CBT7	48	128	16	0	0	37	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	17	2	2	2	4	1	0	1	1	LQFP48	
APM32F072C8T6	48	64	16	0	0	37	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	17	2	2	2	4	1	0	1	1	LQFP48	
APM32F071V8T6	48	64	16	0	0	87	2	3.6	5	1	1	2	1	1	1	1	16	1	2	2	24	2	2	2	4	0	0	0	1	LQFP100	
APM32F071C8U6	48	128	16	0	0	37	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	17	2	2	2	4	0	0	0	1	QFN48	
APM32F071CBT6	48	128	16	0	0	37	2	3.6	5	1	1	2	1	1	1	1	10	1	2	2	17	2	2	2	4	0	0	0	1	LQFP48	
APM32F070RBT6	48	128	16	0	0	51	2.4	3.6	5	0	1	2	1	1	1	1	16	0	0	0	0	2	0	2	4	0	0	1	0	LQFP64	
APM32F070CBT6	48	128	16	0	0	37	2.4	3.6	5	0	1	2	1	1	1	1	10	0	0	0	0	2	0	2	4	0	0	1	0	LQFP48	
APM32F051K6T6	48	32	8	0	0	25	2	3.6	5	1	1	1	1	1	1	1	10	1	1	2	18	1	1	1	2	0	0	0	1	LQFP32	
APM32F051K6U6	48	32	8	0	0	27	2	3.6	5	1	1	1	1	1	1	1	10	1	1	2	18	1	1	1	2	0	0	0	1	QFN32	
APM32F051K8T6	48	64	8	0	0	25	2	3.6	5	1	1	1	1	1	1	1	10	1	1	2	18	1	1	1	2	0	0	0	1	LQFP32	
APM32F051K8U6	48	64	8	0	0	27	2	3.6	5	1	1	1	1	1	1	1	10	1	1	2	18	1	1	1	2	0	0	0	1	QFN32	
APM32F051C6T6	48	32	8	0	0	39	2	3.6	5	1	1	1	1	1	1	1	10	1	1	2	18	1	1	1	2	0	0	0	1	LQFP48	
APM32F051C6U6	48	32	8	0	0	39	2	3.6	5	1	1	1	1	1	1	1	10	1	1	2	18	1	1	1	2	0	0	0	1	QFN48	
APM32F051C8T6	48	64	8	0	0	39	2	3.6	5	1	1	1	1	1	1	1	10	1	1	2	18	2	1	2	2	0	0	0	1	LQFP48	
APM32F051C8U6	48	64	8	0	0	39	2	3.6	5	1	1	1	1	1	1	1	10	1	1	2	18	2	1	2	2	0	0	0	1	QFN48	
APM32F051R6T6	48	32	8	0	0	55	2	3.6	5	1	1	1	1	1	1	1	16	1	1	2	18	2	1	2	2	0	0	0	1	LQFP64	
APM32F051R8T6	48	64	8	0	0	55	2	3.6	5	1	1	1	1	1	1	1	16	1	1	2	18	2	1	2	2	0	0	0	1	LQFP64	
APM32F030F6P6	48	32	4	0	0	16	2	3.6	4	0	1	0	1	1	1	1	8	0	0	0	0	1	0	1	1	0	0	0	0	TSSOP20	
APM32F030K6T6	48	32	4	0	0	26	2	3.6	4	0	1	0	1	1	1	1	10	0	0	0	0	1	0	1	1	0	0	0	0	LQFP32	
APM32F030K6T7	48	32	4	0	0	26	2	3.6	4	0	1	0	1	1	1	1	10	0	0	0	0	1	0	1	1	0	0	0	0	LQFP32	
APM32F030K6U6	48	32	4	0	0	26	2	3.6	4	0	1	0	1	1	1	1	10	0	0	0	0	1	0	1	1	0	0	0	0	QFN32	
APM32F030K8T6	48	64	8	0	0	26	2	3.6	4	0	1	0	1	1	1	1	10	0	0	0	0	1	0	1	1	0	0	0	0	LQFP32	
APM32F030C6T6	48	32	4	0	0	39	2	3.6	4	0	1	0	1	1	1	1	10	0	0	0	0	1	0	1	1	0	0	0	0	LQFP48	
APM32F030C8T6	48	64	8	0	0	39	2	3.6	5	0	1	1	1	1	1	1	10	0	0	0	0	2	0	2	2	0	0	0	0	LQFP48	
APM32F030R8T6	48	64	8	0	0	55	2	3.6	5	0	1	1	1	1	1	1	16	0	0	0	0	2	0	2	2	0	0	0	0	LQFP64	
APM32F030CCT6	48	256	32	0	0	37	2	3.6	5	0	1	2	1	1	1	1	10	0	0	0	0	2	0	2	6	0	0	0	0	LQFP48	
APM32F030RCT6	48	256	32	0	0	51	2	3.6	5	0	1	2	1	1	1	1	16	0	0	0	0	2	0	2	6	0	0	0	0	LQFP64	
APM32F003F4P6	48	16	2	0	0	16	2	5.5	1	0	2	1	1	1	1	0	1	8	0	0	0	0	1	0	1	3	0	0	0	0	TSSOP20
APM32F003F6P6	48	32	4	0	0	16	2	5.5	1	0	2	1	1	1	1	0	1	8	0	0	0	0	1	0	1	3	0	0	0	0	TSSOP20
APM32F003F4U6	48	16	2	0	0	16	2	5.5	1	0	2	1	1	1	1	0	1	8	0	0	0	0	1	0	1	3	0	0	0	0	QFN20
APM32F003F6U6	48	32	4	0	0	16	2	5.5	1	0	2	1	1	1	1	0	1	8	0	0	0	0	1	0	1	3	0	0	0	0	QFN20
APM32F003F4M6	48	16	2	0	0	16	2	5.5	1	0	2	1	1	1	1	0	1	8	0	0	0	0	1	0	1	3	0	0	0	0	SOP20
APM32F003F6M6	48	32	4	0	0	16	2	5.5	1	0	2	1	1	1	1	0	1	8	0	0	0	0	1	0	1	3	0	0	0	0	SOP20
APM32F003F6P7	48	32	4	0	0	16	2	5.5</																							

APM32 Series Industrial Grade MCUs — Arm® Cortex®-M3

Part No.	Frequency(MHz)	FLASH(KB)	SRAM(KB)	SDRAM	FPU	I/Os	Vmin(V)	Vmax(V)	Timer							Analog Interface							Connectivity										Package
									GMTMR(16bit)	GMTMR(32bit)	Advanced TMR(16bit)	Basic TMR	System(24bit)	IWDG	WWDG	RTC	ADC 12-bit Cell	ADC 12-bit Channels	DAC 12-bit Cell	DAC 12-bit Channels	Analog Comparator	EMMC	SPI	I2S	I2C	U(S)ART	CAN	SDIO	USB Device	CEC	USB OTG_FS	Ethernet	
APM32E103CCU6	120	256	64	0	1	37	2	3.6	4	0	1	2	1	1	1	1	2	10	2	2	0	0	3	2	2	3	2	0	1	0	0	0	QFN48
APM32E103CEU6	120	512	128	0	1	37	2	3.6	4	0	1	2	1	1	1	1	2	10	2	2	0	0	3	2	2	3	2	0	1	0	0	0	QFN48
APM32E103CCT6	120	256	64	0	1	37	2	3.6	4	0	1	2	1	1	1	1	2	10	2	2	0	0	3	2	2	3	2	0	1	0	0	0	LQFP48
APM32E103CET6	120	512	128	0	1	37	2	3.6	4	0	1	2	1	1	1	1	2	10	2	2	0	0	3	2	2	3	2	0	1	0	0	0	LQFP48
APM32E103RCT6	120	256	64	0	1	51	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	0	3	2	2	3+2	2	1	1	0	0	0	LQFP64
APM32E103RET6	120	512	128	0	1	51	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	0	3	2	2	3+2	2	1	1	0	0	0	LQFP64
APM32E103VCT6	120	256	64	0	1	80	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	1	3	2	2	3+2	2	1	1	0	0	0	LQFP100
APM32E103VET6	120	512	128	0	1	80	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	1	3	2	2	3+2	2	1	1	0	0	0	LQFP100
APM32E103ZCT6	120	256	64	1	1	112	2	3.6	4	0	2	2	1	1	1	1	3	21	2	2	0	1	3	2	2	3+2	2	1	1	0	0	0	LQFP144
APM32E103ZET6	120	512	128	1	1	112	2	3.6	4	0	2	2	1	1	1	1	3	21	2	2	0	1	3	2	2	3+2	2	1	1	0	0	0	LQFP144
APM32S103TBU6	96	128	36	0	1	26	2	3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	0	1	0	1	2	2	0	1	0	0	0	QFN36
APM32S103C8T6	96	64	36	0	1	37	2	3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	0	2	0	2	3	2	0	1	0	0	0	LQFP48
APM32S103CBT6	96	128	36	0	1	37	2	3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	0	2	0	2	3	2	0	1	0	0	0	LQFP48
APM32S103RBT6	96	128	36	0	1	51	2	3.6	3	0	1	0	1	1	1	1	2	16	0	0	0	0	2	0	2	3	2	0	1	0	0	0	LQFP64
APM32S103VBT6	96	128	36	0	1	80	2	3.6	3	0	1	0	1	1	1	1	2	16	0	0	0	0	2	0	2	3	2	0	1	0	0	0	LQFP100
APM32F103T4U6	96	16	6	0	1	26	2	3.6	2	0	1	0	1	1	1	1	2	10	0	0	0	0	1	0	1	2	1	0	1	0	0	0	QFN36
APM32F103T6U6	96	32	10	0	1	26	2	3.6	2	0	1	0	1	1	1	1	2	10	0	0	0	0	1	0	1	2	1	0	1	0	0	0	QFN36
APM32F103T8U6	96	64	20	0	1	26	2	3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	0	1	0	1	2	1	0	1	0	0	0	QFN36
APM32F103TBU6	96	128	20	0	1	26	2	3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	0	1	0	1	2	1	0	1	0	0	0	QFN36
APM32F103TBU7	96	128	20	0	1	26	2	3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	0	1	0	1	2	1	0	1	0	0	0	QFN36
APM32F103C4T6	96	16	6	0	1	37	2	3.6	2	0	1	0	1	1	1	1	2	10	0	0	0	0	1	0	1	2	1	0	1	0	0	0	LQFP48
APM32F103C6T6	96	32	10	0	1	37	2	3.6	2	0	1	0	1	1	1	1	2	10	0	0	0	0	1	0	1	2	1	0	1	0	0	0	LQFP48
APM32F103C8T6	96	64	20	0	1	37	2	3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	0	2	0	2	3	1	0	1	0	0	0	LQFP48
APM32F103CBT6	96	128	20	0	1	37	2	3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	0	2	0	2	3	1	0	1	0	0	0	LQFP48
APM32F103CBT7	96	128	20	0	1	37	2	3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	0	2	0	2	3	1	0	1	0	0	0	LQFP48
APM32F103R4T6	96	16	6	0	1	51	2	3.6	2	0	1	0	1	1	1	1	2	16	0	0	0	0	1	0	1	2	1	0	1	0	0	0	LQFP64
APM32F103R6T6	96	32	10	0	1	51	2	3.6	2	0	1	0	1	1	1	1	2	16	0	0	0	0	1	0	1	2	1	0	1	0	0	0	LQFP64
APM32F103R8T6	96	64	20	0	1	51	2	3.6	3	0	1	0	1	1	1	1	2	16	0	0	0	0	2	0	2	3	1	0	1	0	0	0	LQFP64
APM32F103RBT6	96	128	20	0	1	51	2	3.6	3	0	1	0	1	1	1	1	2	16	0	0	0	0	2	0	2	3	1	0	1	0	0	0	LQFP64
APM32F103RBT7	96	128	20	0	1	51	2	3.6	3	0	1	0	1	1	1	1	2	16	0	0	0	0	2	0	2	3	1	0	1	0	0	0	LQFP64
APM32F103V8T6	96	64	20	0	1	80	2	3.6	3	0	1	0	1	1	1	1	2	16	0	0	0	0	2	0	2	3	1	0	1	0	0	0	LQFP100
APM32F103VBT6	96	128	20	0	1	80	2	3.6	3	0	1	0	1	1	1	1	2	16	0	0	0	0	2	0	2	3	1	0	1	0	0	0	LQFP100
APM32F103CCT6	96	256	64	0	0	37	2	3.6	4	0	1	1	1	1	1	1	2	10	2	2	0	0	3	2	2	3	2	0	1	0	0	0	LQFP48
APM32F103RCT6	96	256	64	0	0	51	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	0	3	2	2	3+2	2	1	1	0	0	0	LQFP64
APM32F103VCT6	96	256	64	0	0	80	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	1	3	2	2	3+2	2	1	1	0	0	0	LQFP100
APM32F103RDT6	96	384	64	0	1	51	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	0	3	2	2	3+2	1	1	1	0	0	0	LQFP64
APM32F103RET6	96	512	128	0	1	51	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	0	3	2	2	3+2	1	1	1	0	0	0	LQFP64
APM32F103VDT6	96	384	64	0	1	80	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	1	3	2	2	3+2	1	1	1	0	0	0	LQFP100
APM32F103VET6	96	512	128	0	1	80	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	1	3	2	2	3+2	1	1	1	0	0	0	LQFP100
APM32F103VET7	96	512	128	0	1	80	2	3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	1	3	2	2	3+2	1	1	1	0	0	0	LQFP100
APM32F103ZDT6	96	384	64	1	1	112	2	3.6	4	0	2	2	1	1	1	1	3	21	2	2	0	1	3	2	2	3+2	1	1	1	0	0	0	LQFP144
APM32F103ZET6	96	512	128	1	1	112	2	3.6	4	0	2	2	1	1	1	1	3	21	2	2	0	1	3	2	2								

APM32 Series Industrial Grade MCUs — Arm® Cortex®-M4

Part No.	Frequency(MHz)	FLASH(KB)	SRAM(KB)	SDRAM	FPU	I/O	Voltage	Timer								Analog Interface				Connectivity										Security			Package
								GP1MR(16bit)	GP1MR(32bit)	Advanced TMR(16bit)	Basic TMR	Systick	IWDG	WWDG	RTC	ADC 12-bit Cell	ADC 12-bit Channels	DAC 12-bit Channels	EMMC	SPI	I2S	I2C	U(S)ART	CAN	SDIO	USB OTG_FS	USB OTG_HS	DCI	Ethernet	RNG	AES/DES/TDES	BN/SM3/SM4	
APM32F4071GT6	168	1024	192+4	1	1	140	1.8~3.6	8	2	2	2	1	1	1	1	3	24	2	1	3	2	3	4+2	2	1	1	1+1	1	1	1	0	1	LQFP176
APM32F4071ET6	168	512	192+4	1	1	140	1.8~3.6	8	2	2	2	1	1	1	1	3	24	2	1	3	2	3	4+2	2	1	1	1+1	1	1	1	0	1	LQFP176
APM32F407ZGT6	168	1024	192+4	0	1	114	1.8~3.6	8	2	2	2	1	1	1	1	3	24	2	1	3	2	3	4+2	2	1	1	1+1	1	1	1	0	1	LQFP144
APM32F407ZET6	168	512	192+4	0	1	114	1.8~3.6	8	2	2	2	1	1	1	1	3	24	2	1	3	2	3	4+2	2	1	1	1+1	1	1	1	0	1	LQFP144
APM32F407VGT6	168	1024	192+4	0	1	82	1.8~3.6	8	2	2	2	1	1	1	1	3	16	2	1	3	2	3	4+2	2	1	1	1+1	1	1	1	0	1	LQFP100
APM32F407VET6	168	512	192+4	0	1	82	1.8~3.6	8	2	2	2	1	1	1	1	3	16	2	1	3	2	3	4+2	2	1	1	1+1	1	1	1	0	1	LQFP100
APM32F407RGT6	168	1024	192+4	0	1	51	1.8~3.6	8	2	2	2	1	1	1	1	3	16	2	0	3	2	3	4+2	2	1	1	1+1	0	0	1	0	1	LQFP64
APM32F407RET6	168	512	192+4	0	1	51	1.8~3.6	8	2	2	2	1	1	1	1	3	16	2	0	3	2	3	4+2	2	1	1	1+1	0	0	1	0	1	LQFP64
APM32F4171GT6	168	1024	192+4	1	1	140	1.8~3.6	8	2	2	2	1	1	1	1	3	24	2	1	3	2	3	4+2	2	1	1	1+1	1	1	1	1	1	LQFP176
APM32F417ZGT6	168	1024	192+4	0	1	114	1.8~3.6	8	2	2	2	1	1	1	1	3	24	2	1	3	2	3	4+2	2	1	1	1+1	1	1	1	1	1	LQFP144
APM32F417VET6	168	512	192+4	0	1	82	1.8~3.6	8	2	2	2	1	1	1	1	3	16	2	1	3	2	3	4+2	2	1	1	1+1	1	1	1	1	1	LQFP100
APM32F405ZGT6	168	1024	192+4	0	1	114	1.8~3.6	8	2	2	2	1	1	1	1	3	24	2	1	3	2	3	4+2	2	1	1	1+1	0	0	1	0	0	LQFP144
APM32F405VGT6	168	1024	192+4	0	1	82	1.8~3.6	8	2	2	2	1	1	1	1	3	16	2	1	3	2	3	4+2	2	1	1	1+1	0	0	1	0	0	LQFP100
APM32F405RGT6	168	1024	192+4	0	1	51	1.8~3.6	8	2	2	2	1	1	1	1	3	16	2	0	3	2	3	4+2	2	1	1	1+1	0	0	1	0	0	LQFP64
APM32F415ZGT6	168	1024	192+4	0	1	114	1.8~3.6	8	2	2	2	1	1	1	1	3	24	2	1	3	2	3	4+2	2	1	1	1+1	0	0	1	1	1	LQFP144
APM32F415VGT6	168	1024	192+4	0	1	82	1.8~3.6	8	2	2	2	1	1	1	1	3	16	2	1	3	2	3	4+2	2	1	1	1+1	0	0	1	1	1	LQFP100
APM32F415RGT6	168	1024	192+4	0	1	51	1.8~3.6	8	2	2	2	1	1	1	1	3	16	2	0	3	2	3	4+2	2	1	1	1+1	0	0	1	1	1	LQFP64

APM32 Series Automotive Grade MCUs

Part No.	Core	Frequency (MHz)	FLASH(KB)	SRAM(KB)	SDRAM	FPU	I/Os	Voltage	Timer							Analog Interface					Connectivity										Security			Package							
									GP1MR(16bit)	GP1MR(32bit)	Advanced TMR(16bit)	Basic TMR	Systick(24bit)	IWDG	WWDG	RTC	ADC 12-bit Cell	ADC 12-bit Channels	DAC 12-bit Cell	DAC 12-bit Channels	Analog Comparator	TSC (Channels)	EMMC	SPI	I2S	I2C	U(S)ART	CAN	SDIO	USB Device	CEC	USB OTG_FS	USB OTG_HS		DCI	Ethernet	RNG	AES/DES/IDES	BN/SM3/SM4		
APM32F072RBT7	Cortex-M0+	48	128	16	0	0	51	2~3.6	5	1	1	2	1	1	1	1	16	1	2	2	18	-	2	2	2	4	1	0	1	1	1	-	-	-	-	-	-	LQFP64			
APM32F072CBT7	Cortex-M0+	48	128	16	0	0	37	2~3.6	5	1	1	2	1	1	1	1	10	1	2	2	17	-	2	2	2	4	1	0	1	1	1	-	-	-	-	-	-	-	LQFP48		
APM32A091RCT7	Cortex-M0+	48	256	32	0	0	52	2~3.6	5	1	1	2	1	1	1	1	16	1	2	2	24	-	2	2	2	8	1	0	0	1	-	-	-	-	-	-	-	-	LQFP64		
APM32F103RCT7	Cortex-M3	96	256	64	0	0	51	2~3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	-	0	3	2	2	3+2	2	1	1	0	0	-	-	-	-	-	-	-	LQFP64	
APM32A103VET7	Cortex-M3	120	512	128	0	1	80	2~3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	-	1	3	2	2	3+2	2	1	1	0	0	-	-	-	-	-	-	-	LQFP100	
APM32A103RET7	Cortex-M3	96	512	128	0	1	51	2~3.6	4	0	2	2	1	1	1	1	3	16	2	2	0	-	0	3	2	2	3+2	1	1	1	0	0	-	-	-	-	-	-	-	LQFP64	
APM32A103CBT7	Cortex-M3	96	128	36	0	1	37	2~3.6	3	0	1	0	1	1	1	1	2	10	0	0	0	-	0	2	0	2	3	2	0	1	0	0	-	-	-	-	-	-	-	-	LQFP48
APM32A407VGT7	Cortex-M4	168	1024	192+4	0	1	82	1.8~3.6	8	2	2	2	1	1	1	1	3	16	-	2	-	1	3	2	3	4+2	2	1	-	-	1	-	-	1	1	1	0	1	LQFP100		
APM32A407ZGT7	Cortex-M4	168	1024	192+4	0	1	114	1.8~3.6	8	2	2	2	1	1	1	1	3	24	-	2	-	1	3	2	3	4+2	2	1	-	-	1	-	1	1	1	0	1	LQFP144			

GW Series Wireless MCU — GW8811-BLE4.2/GW3323-BLE5.2

Part No.	CPU	Frequency (MHz)	FLASH (KB)	SRAM (KB)	I/Os	Vmin(V)	Vmax(V)	Max. TX Power (dbm)	RX Sensitivity (dbm)	TX Current (mA@0dbm)	RX Current (mA@0dbm)	Sleep Mode Current (uA)	Deep Sleep Mode Current (uA)	Operating Temperature (°C, Tj)	Timer				Analog Interface		Connectivity										Package
															Low Speed TM(32bit)	HighSpeed TM(16bit)	WDT(16bit)	RTC	GPADC 10bit Cell	GPADC 10bit Channels	SPI(Master)	I2C(Master)	USART	PWM	Quadrature Decoder	ISO7816	Infrared Emitting & Receiving	Keyscan Decoder (Rows & Columns)	AES Encryption Engine		
GW8811KEU6	Cortex-M0	64	512	24	21	1.8	3.6	+4	-94	4.8	2.8	2.7	1	-40~+85	4	1	1	1	1	4+1	2	2	2	6	Yes	Yes	Yes	8 x 20	128 bit	QFN32	
GW8811CEU6	Cortex-M0	64	512	32	32	1.8	3.6	+4	-94	4.8	2.8	2.7	1	-40~+85	4	1	1	1	1	8+1	2	2	2	6	Yes	Yes	Yes	8 x 20	128 bit	QFN48	
GW3323HGU6	RISC-V 32	160	1024	256	24	3	4.5	+9	-94	18.7	28	500	4	-40~+85	6	0	1	1	1	16	2	1	3	9	0	0	0	0	0	QFN40	

Product Selection Guide

AP/G	M/W	32/88	F/11	103	T	4	T	6	S
Brand Geehy	M:MCU W:Wireless	Family 32:32-bit MCU 88:BLE SoC 33:32-bit MCU+BT	F Product type A Auto grade E Enhanced F Foundation L Ultra-low-power S Standard T Touch sensing W Wireless 11 Specific features 11 BLE4.2 23 BLE5.2	Specific features (3 digits) 0xx Entry-level 10x Ultra-low-power 4xx Mainstream 4xx High-performance	Pin count (pins) D 14 F 20 E 24 G 28 K 32 T 36 H 40 S 44 C 48 U 63 R 64 J 72 M 80 O 90 V 100 Q 132 Z 144 A 169 I 176	Code size (Kbytes) 4 16 6 32 7 48 8 64 9 72 A 96 B 128 Z 192 C 256 D 384 E 512 F 768 G 1024	Packaging H LFBGA/TFBGA I UFBGA Pitch 0.5 J UFBGA Pitch 0.8 k UFBGA Pitch 0.65 M SOP P TSSOP T QFP U QFN Y WLCSP	Temperature range 6 and A:-40°C~85°C 7 and B:-40°C~105°C 3 and C:-40°C~125°C D:-40°C~150°C	SiP type S:SiP 2MB SDRAM Blank=Non-SiP

TECHNOLOGY INSPIRED.

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