APM32系列MCU-ARM® Cortex®-M3

Part No.	Frequency (MHZ)	FLASH (KB)	RAM (KB)	EMMC (SDRAM)	FPU	I/Os	Vmin (V)	Vmax (V)	Timer							Analog Interface				Connectivity							Package
									GPTM (16-bit)	Advanced TM (16-bit)	Basic TM (6-bit)	Systick (24-bit)	IWDG	WWDG	RTC	ADC 12-bit Cell	ADC 12-bit channels	DAC 12-bit Cell	DAC 12-bit channels	SPI	I²S	I²C	U(S)ART	CAN	SDIO	USB	
APM32F103T4U6	96	16	6	0	1	26	2	3.6	3	1	0	1	1	1	1	2	10	0	0	1	0	1	2	1	0	1	QFN36
APM32F103T6U6	96	32	10	0	1	26	2	3.6	3	1	0	1	1	1	1	2	10	0	0	1	0	1	2	1	0	1	QFN36
APM32F103T8U6	96	64	20	0	1	26	2	3.6	3	1	0	1	1	1	1	2	10	0	0	1	0	1	2	1	0	1	QFN36
APM32F103TBU6	96	128	20	0	1	26	2	3.6	3	1	0	1	1	1	1	2	10	0	0	1	0	1	2	1	0	1	QFN36
APM32F103C4T6	96	16	6	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	1	0	1	LQFP48
APM32F103C6T6	96	32	10	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	1	0	1	LQFP48
APM32F103C8T6	96	64	20	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	1	0	1	LQFP48
APM32F103CBT6	96	128	20	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	1	0	1	LQFP48
APM32F103R4T6	96	16	6	0	1	51	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	1	0	1	**LQFP64**
APM32F103R6T6	96	32	10	0	1	51	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	1	0	1	LQFP64
APM32F103R8T6	96	64	20	0	1	51	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	1	0	1	**LQFP64**
APM32F103RBT6	96	128	20	0	1	51	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	1	0	1	LQFP64
APM32F103V8T6	96	64	20	0	1	80	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	1	0	1	LQFP100
APM32F103VBT6	96	128	20	0	1	80	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	1	0	1	LQFP100
APM32F103RCT6	96	256	64	0	1	51	2	3.6	4	2	2	1	1	1	1	3	16	2	2	3	2	2	3+2	1	1	1	LQFP64
APM32F103RDT6	96	384	64	0	1	51	2	3.6	4	2	2	1	1	1	1	3	16	2	2	3	2	2	3+2	1	1	1	**LQFP64**
APM32F103RET6	96	512	128	0	1	51	2	3.6	4	2	2	1	1	1	1	3	16	2	2	3	2	2	3+2	1	1	1	LQFP64
APM32F103VCT6	96	256	64	0	1	80	2	3.6	4	2	2	1	1	1	1	3	16	2	2	3	2	2	3+2	1	1	1	LQFP100
APM32F103VDT6	96	384	64	0	1	80	2	3.6	4	2	2	1	1	1	1	3	16	2	2	3	2	2	3+2	1	1	1	LQFP100
APM32F103VET6	96	512	128	0	1	80	2	3.6	4	2	2	1	1	1	1	3	16	2	2	3	2	2	3+2	1	1	1	LQFP100
APM32F103ZCT6	96	256	64	1	1	112	2	3.6	4	2	2	1	1	1	1	3	21	2	2	3	2	2	3+2	1	1	1	LQFP144
APM32F103ZDT6	96	384	64	1	1	112	2	3.6	4	2	2	1	1	1	1	3	21	2	2	3	2	2	3+2	1	1	1	LQFP144
APM32F103ZET6	96	512	128	1	1	112	2	3.6	4	2	2	1	1	1	1	3	21	2	2	3	2	2	3+2	1	1	1	LQFP144
APM32F102C4T6	48	16	6	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	1	LQFP48
APM32F102C6T6	48	32	10	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	1	LQFP48
APM32F102C8T6	48	64	20	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	1	LQFP48
APM32F102CBT6	48	128	20	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	1	LQFP48
APM32F102R4T6	48	16	6	0	1	51	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	0	0	1	LQFP64
APM32F102R6T6	48	32	10	0	1	51	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	0	0	1	LQFP64
APM32F102R8T6	48	64	20	0	1	51	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	0	0	1	LQFP64
APM32F102RBT6	48	128	20	0	1	51	2	3.6	3	1	0	1	1	1	1	2	16	0	0	2	0	2	3	0	0	1	LQFP64
APM32F101C4T6	36	16	6	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP48
APM32F101C6T6	36	32	10	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP48
APM32F101C8T6	36	64	20	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP48
APM32F101CBT6	36	128	20	0	1	37	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP48
APM32F101R4T6	36	16	6	0	1	51	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP64
APM32F101R6T6	36	32	10	0	1	51	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP64
APM32F101R8T6	36	64	20	0	1	51	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP64
APM32F101RBT6	36	128	20	0	1	51	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP64
APM32F101T4U6	36	16	6	0	1	26	2	3.6	3	1	0	1	1	1	1	2	10	0	0	1	0	1	2	0	0	0	QFN36
APM32F101T6U6	36	32	10	0	1	26	2	3.6	3	1	0	1	1	1	1	2	10	0	0	1	0	1	2	0	0	0	QFN36
APM32F101T8U6	36	64	20	0	1	26	2	3.6	3	1	0	1	1	1	1	2	10	0	0	1	0	1	2	0	0	0	QFN36
APM32F101TBU6	36	128	20	0	1	26	2	3.6	3	1	0	1	1	1	1	2	10	0	0	1	0	1	2	0	0	0	QFN36
APM32F101V8T6	36	64	20	0	1	80	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP100
APM32F101VBT6	36	128	20	0	1	80	2	3.6	3	1	0	1	1	1	1	2	10	0	0	2	0	2	3	0	0	0	LQFP100
APM32F101RCT6	36	256	32	0	1	51	2	3.6	4	2	2	1	1	1	1	1	16	2	2	3	0	2	3+2	0	0	0	LQFP64
APM32F101RDT6	36	384	48	0	1	51	2	3.6	4	2	2	1	1	1	1	1	16	2	2	3	0	2	3+2	0	0	0	LQFP64
APM32F101RET6	36	512	48	0	1	51	2	3.6	4	2	2	1	1	1	1	1	16	2	2	3	0	2	3+2	0	0	0	LQFP64
APM32F101VCT6	36	256	32	0	1	80	2	3.6	4	2	2	1	1	1	1	1	16	2	2	3	0	2	3+2	0	0	0	LQFP100
APM32F101VDT6	36	384	48	0	1	80	2	3.6	4	2	2	1	1	1	1	1	16	2	2	3	0	2	3+2	0	0	0	LQFP100
APM32F101VET6	36	512	48	0	1	80	2	3.6	4	2	2	1	1	1	1	1	16	2	2	3	0	2	3+2	0	0	0	LQFP100
APM32F101ZCT6	36	256	32	1	1	112	2	3.6	4	2	2	1	1	1	1	1	16	2	2	3	0	2	3+2	0	0	0	LQFP144
APM32F101ZDT6	36	384	48	1	1	112	2	3.6	4	2	2	1	1	1	1	1	16	2	2	3	0	2	3+2	0	0	0	LQFP144
APM32F101ZET6	36	512	48	1	1	112	2	3.6	4	2	2	1	1	1	1	1	16	2	2	3	0	2	3+2	0	0	0	LQFP144

APM32系列MCU-ARM® Cortex®-M0+

Part No.	Frequency (MHZ)	FLASH (KB)	RAM (KB)	EMMC (SDRAM)	FPU	I/Os	Vmin (V)	Vmax (V)	Timer							Analog Interface				Connectivity							Package
									GPTM (16-bit)	Advanced TM (16-bit)	Basic TM	Systick (24-bit)	IWDG	WWDG	RTC	ADC 12-bit Cell	ADC 12-bit channels	DAC 12-bit Cell	DAC 12-bit channels	SPI	I²S	I²C	U(S)ART	CAN	SDIO	USB	
APM32F030K8T6	48	64	8	0	0	26	2	3.6	4	1	0	1	1	1	1	1	10	0	0	1	0	1	1	0	0	0	LQFP 32
APM32F030K6T6	48	32	4	0	0	26	2	3.6	4	1	0	1	1	1	1	1	10	0	0	1	0	1	1	0	0	0	LQFP 32
APM32F030K6U6	48	32	4	0	0	26	2	3.6	4	1	0	1	1	1	1	1	10	0	0	1	0	1	1	0	0	0	QFN 32
APM32F030C6T6	48	32	4	0	0	39	2	3.6	4	1	0	1	1	1	1	1	10	0	0	1	0	1	1	0	0	0	LQFP 48
APM32F030C8T6	48	64	8	0	0	39	2	3.6	5	1	1	1	1	1	1	1	10	0	0	2	0	2	2	0	0	0	LQFP 48
APM32F030R8T6	48	64	8	0	0	55	2	3.6	5	1	1	1	1	1	1	1	10	0	0	2	0	2	2	0	0	0	LQFP 64
APM32F003F4P6	48	16	2	0	0	16	2	5.5	1	2	1	1	1	1	0	1	8	0	0	1	0	1	3	0	0	0	TSSOP 20
APM32F003F6P6	48	32	4	0	0	16	2	5.5	1	2	1	1	1	1	0	1	8	0	0	1	0	1	3	0	0	0	TSSOP 20
APM32F003F4U6	48	16	2	0	0	16	2	5.5	1	2	1	1	1	1	0	1	8	0	0	1	0	1	3	0	0	0	QFN 20
APM32F003F6U6	48	32	4	0	0	16	2	5.5	1	2	1	1	1	1	0	1	8	0	0	1	0	1	3	0	0	0	QFN 20
APM32F003F4M6	48	16	2	0	0	16	2	5.5	1	2	1	1	1	1	0	1	8	0	0	1	0	1	3	0	0	0	SOP 20
APM32F003F6M6	48	32	4	0	0	16	2	5.5	1	2	1	1	1	1	0	1	8	0	0	1	0	1	3	0	0	0	SOP 20
APM32F003F6P7	48	16	4	0	0	16	2	5.5	1	2	1	1	1	1	0	1	8	0	0	1	0	1	3	0	0	0	TSSOP20
APM32F003F6U7	48	32	4	0	0	16	2	5.5	1	2	1	1	1	1	0	1	8	0	0	1	0	1	3	0	0	0	QFN20

GW88系列蓝牙芯片— Arm® Cortex®-M0

Part No.	Frequency (MHZ)	FLASH (KB)	Data RAM (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)	High Speed TM(16bit)	WDT(16bit)	RTC	GPADC 10bit Cell	GPADC 10bit channels	SPI(master)	I2C(master)	U(S)ART	PWM	Quadrature Decoder	ISO7816	Infrared encoding & receiving	Keyscan decoder (rows & columns)	AES Encryption Engine	
GW8811KEU6	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	Yes	8*20	128bit	QFN32
GW8811CEU6	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	Yes	8*20	128bit	QFN48

MCU 型号指南

AP	M	32	F	103	T	4	T	6

Brand
Geehy

MCU

Family
32-bit MCUs

Product type
- A Auto grade
- E Enhanced
- F Foundation
- L Ultra-low-power
- S Standard
- T Touch sensing
- W Wireless

Specific features (3 digits)

030	Entry-level
103	Foundation
407	High-performance and DSP with FPU
L072	Ultra-low-power

A	169
I	176&201
B	208
N	216
X	256

Auto grade

8	48
9	64
A	80

Pin count (pins)

D	14
Y	20
F	20
E	24&25
G	28
K	32
T	36
H	40
S	44
C	48&49
U	63
R	64&66
J	72
M	80
O	90
V	100
Q	132
Z	144

Code size (Kbytes)

0	1
1	2
2	4
3	8
4	16&8
5	24
6	32
7	48
8	64
9	72
A	96 or 128*
B	128
Z	192
C	256
D	384
E	512
F	768
G	1024

Packaging
- B Plastic DIP*
- D Ceramic DIP*
- G Ceramic QFP
- H LFBGA/TFBGA
- I UFBGA Pitch 0.5**
- J UFBGA Pitch 0.8**
- k UFBGA Pitch 0.65**
- M Plastic S0
- P TSSOP
- Q Plastic QFP
- T QFP
- U QFN
- Y WLCSP

Temperature range

6 and A	-40 to +85°C
7 and B	-40 to +105°C
3 and C	-40 to +125°C
D	-40 to +150°C

蓝牙芯片型号指南

G	w	88	22	T	4	T	6

Brand
Geehy

Family
Wireless

Product type
BLE SoC

Specific features

11	BLE 4.2
22	BLE 5.1

A	169
I	176&201
B	208
N	216
X	256

Auto grade

8	48
9	64
A	80

Pin count (pins)

D	14
Y	20
F	20
E	24&25
G	28
K	32
T	36
H	40
S	44
C	48&49
U	63
R	64&66
J	72
M	80
O	90
V	100
Q	132
Z	144

Code size (Kbytes)

0	1
1	2
2	4
3	8
4	16&8
5	24
6	32
7	48
8	64
9	72
A	96 or 128*
B	128
Z	192
C	256
D	384
E	512
F	768
G	1024

Packaging
- B Plastic DIP*
- D Ceramic DIP*
- G Ceramic QFP
- H LFBGA/TFBGA
- I UFBGA Pitch 0.5**
- J UFBGA Pitch 0.8**
- k UFBGA Pitch 0.65**
- M Plastic S0
- P TSSOP
- Q Plastic QFP
- T QFP
- U QFN
- Y WLCSP

Temperature range

6 and A	-40 to +85°C
7 and B	-40 to +105°C
3 and C	-40 to +125°C
D	-40 to +150°C

--->销售：
131 4887 8879 （陈先生）
136 3158 5075 （赵先生）
183 1791 4223 (彭先生)
--->技术：
陈工：131 4887 8879 QQ：300 2931 911
何工：177 9195 8165 QQ：300 2925 354