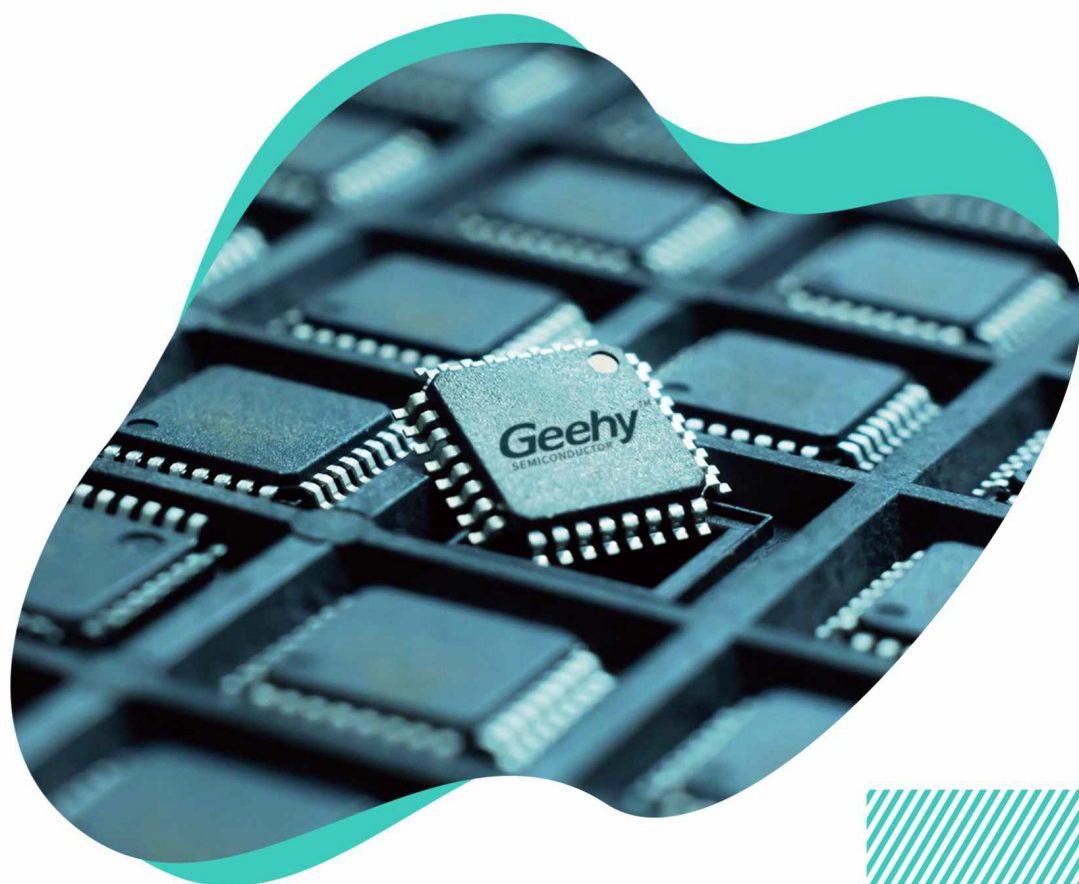


选型表&型号指南

32位APM32工业级通用MCU GW88系列低功耗蓝牙芯片

基于ARM® Cortex® M0+/M3/M4+国产平头哥玄铁CPU



APM32系列MCU-ARM Cortex® - M3

Part No.	Frequency (MHz)	FLASH (KB)	Data RAM (KB)	I/Os (SDRAM)	EMMC	FPU	I/Os	V _{min} (V)	V _{max} (V)	Timer				Analog Interface						Connectivity				Package					
										Basic TM (16-bit)		Advanced TMR (16-bit)		ADC 12-bit		DAC 12-bit		TSC (Channels)		I ² S		I ² C			CAN		SDIO	USB	CEC
										GP1TM (16-bit)	GP2TM (32-bit)	RX Current (mA@0dBm)	TX Current (mA@0dBm)	WWDG	WDTC	ADC 12-bit Cell	DAC 12-bit Cell	DAC 12-bit channels	Comparator	SPI	I ² S	I ² C	U(S)ART		CAN				
APM32F101VD16	36	384	48	0	1	80	2	3.6	4	0	2	2	16	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	LOFP100
APM32F101VE16	36	512	48	0	1	80	2	3.6	4	0	2	2	16	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	LOFP100
APM32F101ZCT6	36	256	32	1	1	112	2	3.6	4	0	2	2	16	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	LOFP144
APM32F101ZDT6	36	384	48	1	1	112	2	3.6	4	0	2	2	16	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	LOFP144
APM32F101ZET6	36	512	48	1	1	112	2	3.6	4	0	2	2	16	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	LOFP144

GW88系列蓝牙芯片——BLE4.2

Part No.	Frequency (MHz)	FLASH (KB)	Data RAM (KB)	I/Os	V _{min} (V)	V _{max} (V)	Max TX Power (dBm)	RX Sensitivity (dBm)	TX Current (mA@0dBm)	RX Current (mA@0dBm)	Sleep Mode Current (µA)	Deep Sleep Mode Current (µA)	Operating Temperature (°C, T)	Timer		RTC	Analog Interface		Connectivity		AES Encryption Engine	Package							
														Low Speed (µs)	High Speed (µs)		GPADC 10bit	GPADC 10bit channels	SPI(master)	I2C(master)			UART	PWM	Quadrature Decoder	ISO7816	Infrared emitting & receiving	Key/scan decoder (rows & columns)	
														TM(32bit)	TM(16bit)		WD(T16bit)	RTC	GPADC 10bit	GPADC 10bit channels			SPI(master)	I2C(master)	UART	PWM	Quadrature Decoder	ISO7816	Infrared emitting & receiving
GW88B11KEU6	64	512	24	21	1.8	3.6	+4	-94	4.8	2.8	2.7	1	-40~+85	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	QFN32
GW88B11CEU6	64	512	32	32	1.8	3.6	+4	-94	4.8	2.8	2.7	1	-40~+85	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	QFN48

型号指南

AP/G	M	32	F	103	T	4	T	6
Brand Geehy	M:MCU W:Wireless	Family 32:32-bit 88:BLE Soc	F 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	Pin count (pins) D 14 Y 20 E 20 F 24&25 G 28 K 32 T 36 H 40 S 44 U 48&49 C 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 SO 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
22	Specific features 11 BLE 4.2 22 BLE 5.1				Auto grade A 169 I 176&201 B 208 N 216 X 256			



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