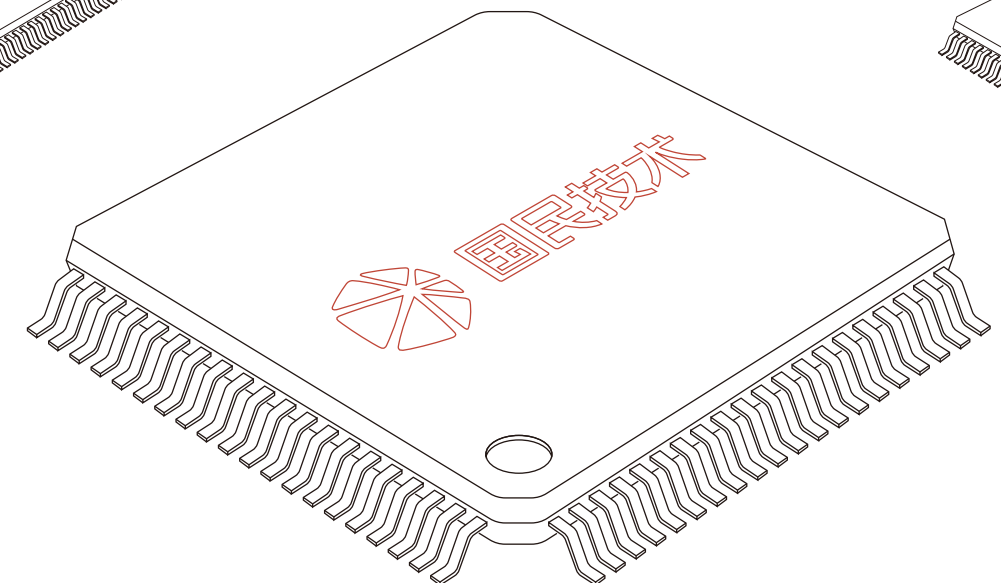
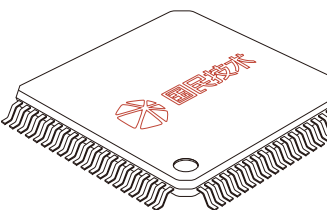
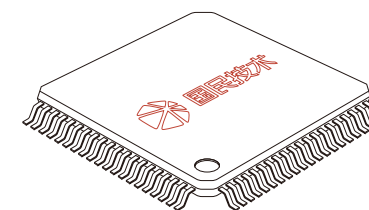


国民技术 芯片产品选型手册

MCU产品 安全芯片 蓝牙芯片 电源产品

创新服务全民 Driven by Innovation



国民技术公众号
(公司资讯)



NSING 加油站
(开发资源)



国民技术旗舰店
(购买样品)



技术支持群助手
(Nsing-xiaoAn)



销售客服
(企业微信)

国民技术股份有限公司

地址:广东省深圳市南山区高新区北区宝深路109号国民技术大厦
网址:www.nsingtech.com

联系销售

手机:18988772159 (微信同号)
邮箱:sales@nsingtech.com

技术支持

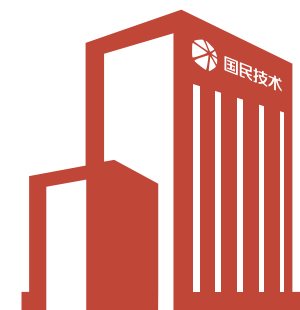
助手:Nsing-xiaoAn (微信号)
邮箱:support@nsingtech.com

资料下载

<https://www.nsingtech.com/support/down/>

公司致力于为人们

安全、便捷、智能的生产生活提供芯片及解决方案



2000年成立
超26年行业深耕

资质与荣誉

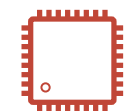
- 中国上市公司协会副监事长单位
- 国家高新技术企业
- 深圳市自主创新行业龙头企业
- 深圳市工程研究开发中心
- 深圳市信息安全芯片技术工程研究中心
- 深圳市重点实验室
- 9次荣获工信部“中国芯”优秀奖项
- 广东省汽车半导体和元器件应用产业联盟副理事长单位

服务能力

- 全球化技术研发
- 本土化的技术服务团队
- 线上线下服务支持 + AI-FAE智能
- 国际、国内一流供应商合作伙伴



2010年A股上市
2026年H股上市
300077.SZ 02701.HK



4大核心技术领域
安全、SoC、射频、电源

科研成就

- “863 计划”^{注1}、“03 专项”^{注2}、“核高基”^{注3}
- 拥有1500多项国内外专利, 其中发明专利超过1000项
- 2017年摘得国家知识产权最高荣誉——中国专利金奖
- 获得9项中国专利优秀奖
- RCC (限域通信) 技术于 2017年 5 月正式成为国家标准
- 推动并参与了可信计算新一代 ISO/IEC 国际标准的制定

注1: 国家高技术研究发展计划

注2: “新一代宽带无线移动通信网”国家科技重大专项

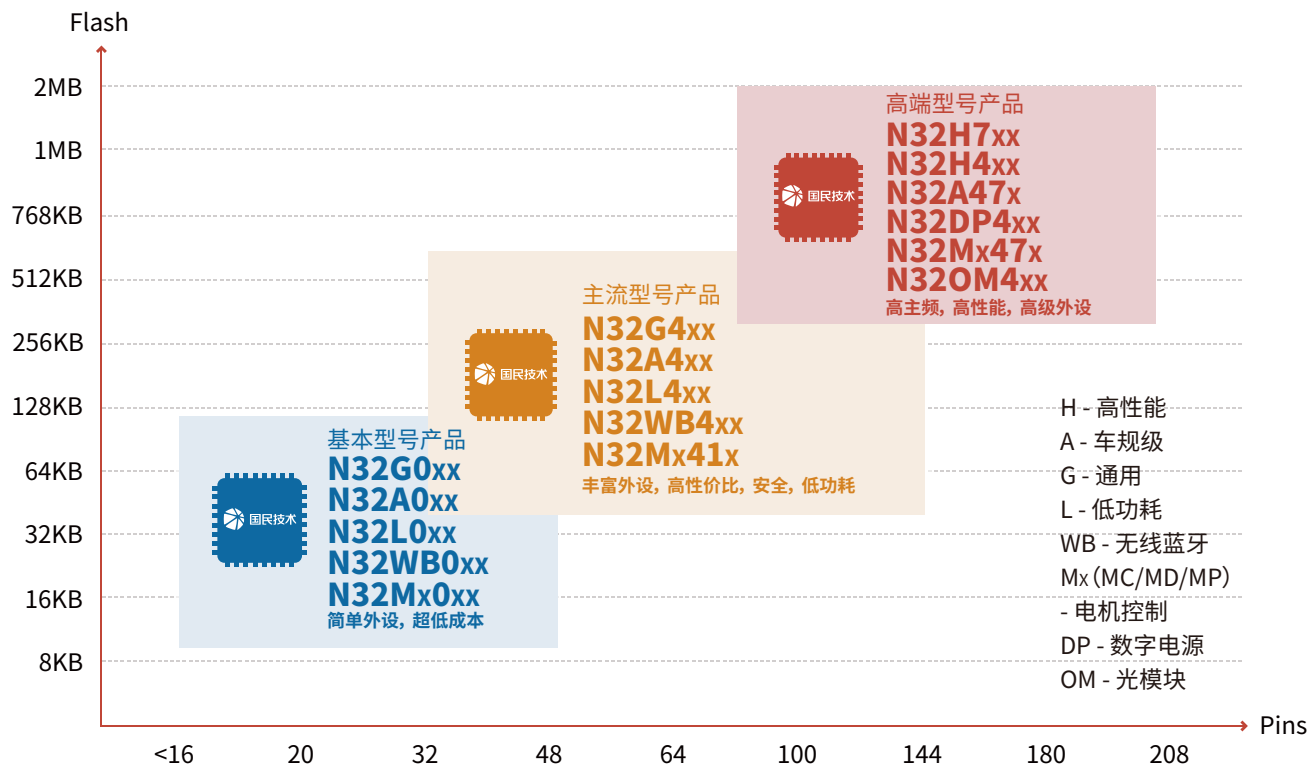
注3: “核心电子器件、高端通用芯片及基础软件产品”
国家科技重大专项

NANSING

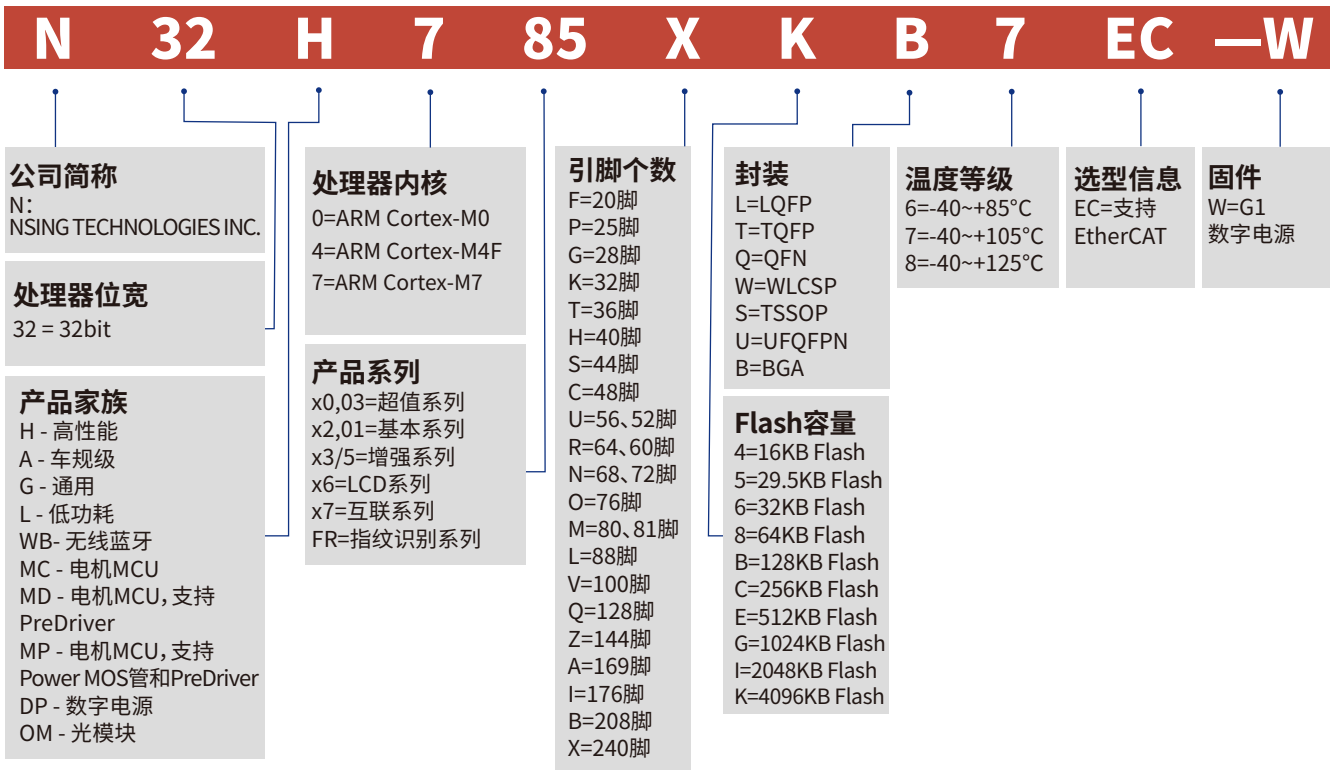
MCU产品

产品策略

持续创新，提供**全场景、广覆盖、高性能、安全可靠**的MCU产品。



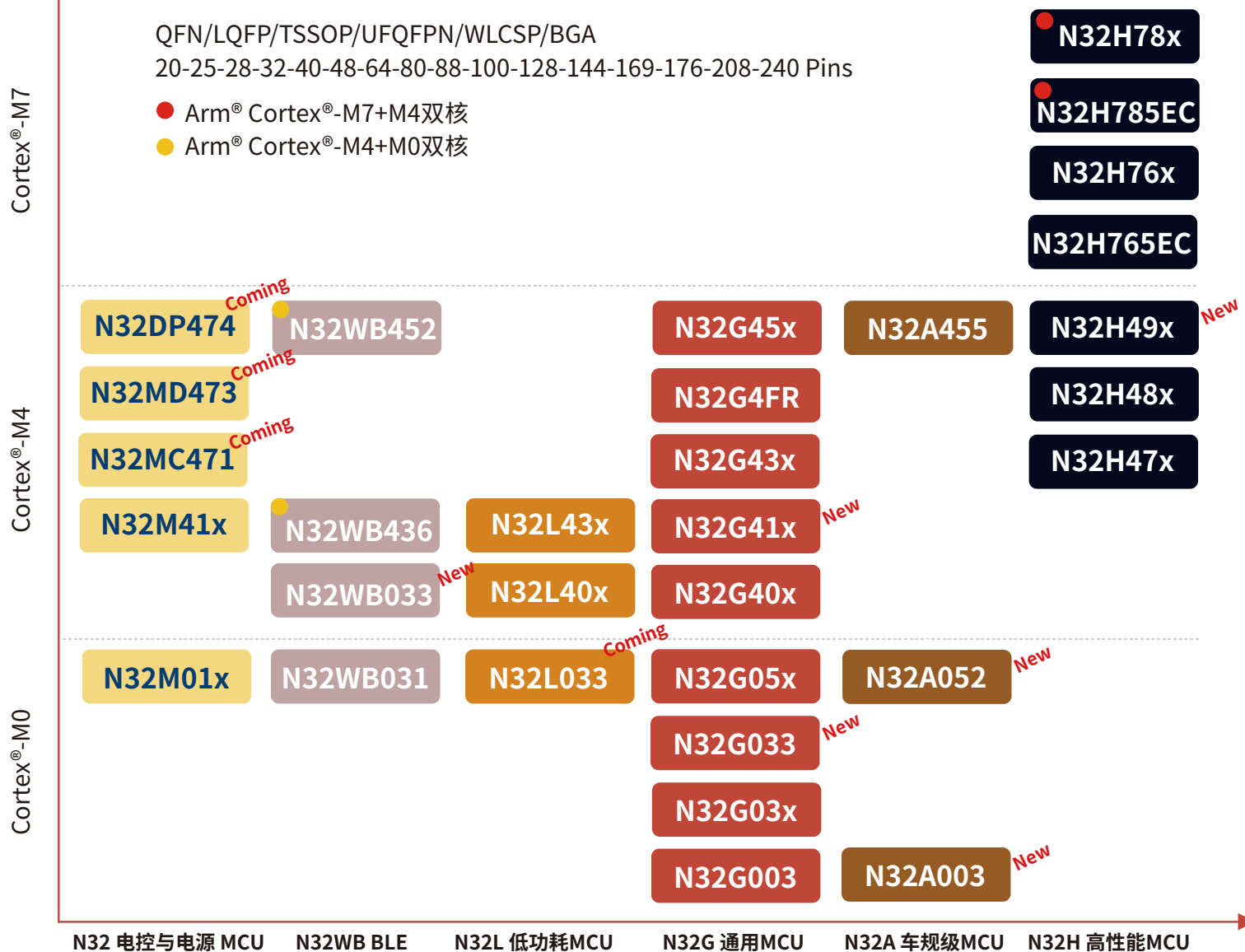
MCU产品命名规则



MCU产品

产品矩阵

覆盖51个系列300余款MCU型号，
从高性能/车规/通用/低功耗到无线/电控与电源，支持样品到量产。



安全芯片

- 车规产品
- 支持PQC (后量子密码)

N32S003
M0,48MHz,64K

N32S002 *New*
M0,16MHz,32K

NS3300
ECC163/
ECDSA256, 1kBit

● **NS350**
TPM2.0(Spec1.59)
/TCM2.0

Z32H330TC
TPM2.0(Spec1.38)
/TCM2.0

● **N32S033**
M0,80MHz,512K

● **N32S032**
M0,80MHz,320K

● **N32S035** *New*
M0,80MHz,100K

Z32HUB
M0,60MHz,320K

物联网安全及微认证

可信计算

金融及车规安全

安全背书



高性能MCU

Series	Commercial Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	DCDC	Coprocessor			Timer			Memory Expansion Interface				Analog Interface			Connectivity							DMA/Channels	MDMA/Channels	Ethernet		ETH 1000M	ETH 100M	Graphics Processing					Cryptographic Algorithm	Package	SPQ(PCS)																																																																																																																																																																																																																																																																																																																																																																																																																																
									DSMTU	FMAC	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU			DSMTU	DSMTU			DSMTU	DSMTU	DSMTU	DSMTU	DSMTU				DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU	DSMTU

注：“-”表示不支持，“*”表示ADC支持硬件16bit过采样

(1)其中2个DAC对外输出，其它对内输出，(2)支持100ps高精度定时器，(3) 高级/通用/基础/低功耗等计时器总数

高性能MCU

Series	Commerical Product Code	Core	Frenquency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Coprocessor		Timer					PWM		ADC		DAC	Connectivity												DMA/Channels	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)
								Cor dic	DSMU	ATIM	GTIM	BTIM	LP TIM	RTC	PWM	Complementary PWM	Nb*Resolution	Channels		USART/ISO7816/LIN	UART/LIN	SPI/FS	PC	USB FS Device	USB HS OTG	CAN-FD	xSPI	SDIO	SDRAM	FEMC							
N32H497	N32H497RGL7	Arm® Cortex®-M4F	240	1024	580	54	1.8V~3.6V/-40~+105°C	Yes		3	10	2	2	1	49	30	3x12bit	20	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1	DES/3DES, AES, SHA1/SHA224/SHA256, SM3, SM4, MD5, CRC16/CRC32, TRNG	LQFP64 (10mm*10mm)	160/盘	
	N32H497RGB7		240	1024	580	52		Yes		3	10	2	2	1	49	30	3x12bit	23	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1		BGA64 (5mm*5mm)	-	
	N32H497NGB7		240	1024	580	59		Yes		3	10	2	2	1	51	30	3x12bit	23	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1		BGA72 (441mm*3.76mm)	-	
	N32H497MGB7		240	1024	580	67		Yes		3	10	2	2	1	51	30	3x12bit	23	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1		BGA81 (441mm*3.76mm)	-	
	N32H497VGL7		240	1024	580	85		Yes		3	10	2	2	1	52	30	3x12bit	20	2x12bit	5	5	6/2	4	1	1	3	1	1	-	1	2/16	1	1		LQFP100 (14mm*14mm)	90/盘	
	N32H497VGL7C		240	1024	580	83		Yes		3	10	2	2	1	52	30	3x12bit	19	2x12bit	5	5	6/2	4	1	1	3	1	1	-	1	2/16	1	1		LQFP100-2 (14mm*14mm)	90/盘	
	N32H497ZGL7		240	1024	580	118		Yes		3	10	2	2	1	52	30	3x12bit	28	2x12bit	5	5	6/2	4	1	1	3	1	1	1	1	2/16	1	1		LQFP144 (20mm*20mm)	60/盘	
N32H493	N32H493MEB7		240	512	260	67		-		3	10	2	2	1	51	30	3x12bit	23	2x12bit	1	2	5/0	4	-	-	-	1	-	-	-	2/16	-	-		BGA81 (441mm*3.76mm)	-	
	N32H493MGB7		240	1024	260	67		-		3	10	2	2	1	51	30	3x12bit	23	2x12bit	1	2	5/0	4	-	-	-	1	-	-	-	2/16	-	-		BGA81 (441mm*3.76mm)	-	
	N32H493NEB7		240	512	260	59		-		3	10	2	2	1	51	30	3x12bit	23	2x12bit	1	2	6/0	4	-	-	-	1	-	-	-	2/16	-	-		BGA72 (441mm*3.76mm)	-	
	N32H493NGB7		240	1024	260	59		-		3	10	2	2	1	51	30	3x12bit	23	2x12bit	1	2	6/0	4	-	-	-	1	-	-	-	2/16	-	-		BGA72 (441mm*3.76mm)	-	
	N32H493REB7		240	512	260	52		-		3	10	2	2	1	49	30	3x12bit	23	2x12bit	1	2	6/0	4	-	-	-	1	-	-	-	2/16	-	-		BGA64 (5mm*5mm)	-	
	N32H493RGB7		240	1024	260	52		-		3	10	2	2	1	49	30	3x12bit	23	2x12bit	1	2	6/0	4	-	-	-	1	-	-	-	2/16	-	-		BGA64 (5mm*5mm)	-	
N32H492	N32H492REL7		240	512	324	54		Yes		3	10	2	2	1	49	30	3x12bit	20	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1	LQFP64 (10mm*10mm)	160/盘		
	N32H492RGL7		240	1024	324	54		Yes		3	10	2	2	1	49	30	3x12bit	20	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1	LQFP64 (10mm*10mm)	160/盘		
	N32H492REB7		240	512	324	52		Yes		3	10	2	2	1	49	30	3x12bit	23	2x12bit	5	5	6/2	4	1	1	3	1	1	-	-	2/16	1	1	BGA64 (5mm*5mm)	-		
	N32H492RGB7		240	1024	324	52		Yes		3	10	2	2	1	49	30	3x12bit	23	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1	BGA64 (5mm*5mm)	-		
	N32H492NEB7		240	512	324	59		Yes		3	10	2	2	1	51	30	3x12bit	23	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1	BGA72 (441mm*3.76mm)	-		
	N32H492NGB7		240	1024	324	59		Yes		3	10	2	2	1	51	30	3x12bit	23	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1	BGA72 (441mm*3.76mm)	-		
	N32H492MEB7		240	512	324	67		Yes		3	10	2	2	1	51	30	3x12bit	23	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1	BGA81 (441mm*3.76mm)	-		
	N32H492MGB7		240	1024	324	67		Yes		3	10	2	2	1	51	30	3x12bit	23	2x12bit	5	5	5/2	4	1	1	3	1	1	-	-	2/16	1	1	BGA81 (441mm*3.76mm)	-		
	N32H492VEL7		240	512	324	85		Yes		3	10	2	2	1	52	30	3x12bit	20	2x12bit	5	5	6/2	4	1	1	3	1	1	-	1	2/16	1	1	LQFP100 (14mm*14mm)	90/盘		
	N32H492VGL7		240	1024	324	85		Yes		3	10	2	2	1	52	30	3x12bit	20	2x12bit	5	5	6/2	4	1	1	3	1	1	-	1	2/16	1	1	LQFP100 (14mm*14mm)	90/盘		
	N32H492ZEL7		240	512	324	118		Yes		3	10	2	2	1	52	30	3x12bit	28	2x12bit	5	5	6/2	4	1	1	3	1	1	1	1	2/16	1	1	LQFP144 (20mm*20mm)	60/盘		
	N32H492ZGL7		240	1024	324	118		Yes		3	10	2	2	1	52	30	3x12bit	28	2x12bit	5	5	6/2	4	1	1	3	1	1	1	1	2/16	1	1	LQFP144 (20mm*20mm)	60/盘		

注：“-”表示不支持

高性能MCU

Series	Commerical Product Code	Core	Frenquency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		High Precision PWM		Analog Interface				Connectivity								DMA/Channels	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)		
								Timer	RTC	PWM	Complementary PWM	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	PGA	COMP	USART/ISO7816/LIN	UART/LIN	SPI/PS	I ² C	USB FS Device	USB HS OTG	CAN-FD	xSPI							SDIO	FEMC
N32H473	N32H473KCQ8	Arm® Cortex®-M4F	200	256	148	26	1.8V~3.6V/-40~+125°C	17	1	25	16	-	-	4 (13)	8	4	7	4	4	4/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-	DES/3DES, AES, SHA1/SHA224/SHA256, SM3, SM4, MD5, CRC16/CRC32, TRNG	QFN32 (5mm*5mm)	490/盘
	N32H473KEQ8		200	512	196	26		17	1	25	16	-	-	4 (13)	8	4	7	4	4	4/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		QFN32 (5mm*5mm)	490/盘
	N32H473CGQ8		200	1024	196	42		17	1	38	24	-	-	4 (21)	8	4	7	4	4	5/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		QFN48	260/盘 4000/卷
	N32H473CCU8		200	256	148	42		17	1	38	24	-	-	4 (21)	8	4	7	4	4	5/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		UQFN48	260/盘 4000/卷
	N32H473CEU8		200	512	196	42		17	1	38	24	-	-	4 (21)	8	4	7	4	4	5/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		UQFN48	260/盘 4000/卷
	N32H473REL8		200	512	196	52		17	1	46	30	-	-	4 (26)	8	4	7	4	4	5/2	4	1	-	2	1	-	-	2/16	-	-		LQFP64 (10mm*10mm)	160/盘
	N32H473MEL8		200	512	196	66		17	1	49	30	-	-	4 (38)	8	4	7	4	4	6/2	4	1	-	2	1	-	-	2/16	-	-		LQFP80	119/盘
	N32H473VEL8		200	512	196	86		17	1	52	30	-	-	4 (45)	8	4	7	4	4	6/2	4	1	-	2	1	-	1	2/16	-	-		LQFP100	90/盘
	N32H473QEL8		200	512	196	107		17	1	52	30	-	-	4 (51)	8	4	7	4	4	6/2	4	1	-	2	1	-	1	2/16	-	-		LQFP128	90/盘
	N32H473KCQ7		240	256	148	26	1.8V~3.6V/-40~+105°C	17	1	25	16	-	-	4 (13)	8	4	7	4	4	4/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		QFN32 (5mm*5mm)	490/盘
	N32H473KEQ7		240	512	196	26		17	1	25	16	-	-	4 (13)	8	4	7	4	4	4/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		QFN32 (5mm*5mm)	490/盘
	N32H473CCU7		240	256	148	42		17	1	38	24	-	-	4 (21)	8	4	7	4	4	5/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		UQFN48	260/盘 4000/卷
	N32H473CEU7		240	512	196	42		17	1	38	24	-	-	4 (21)	8	4	7	4	4	5/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		UQFN48	260/盘
	N32H473CCL7		240	256	148	37		17	1	35	22	-	-	4 (20)	8	4	7	4	4	5/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		LQFP48	250/盘
	N32H473CEL7		240	512	196	37		17	1	35	22	-	-	4 (20)	8	4	7	4	4	5/2	4	1	-	2	1 ⁽¹⁾	-	-	2/16	-	-		LQFP48	250/盘
	N32H473RCL7		240	256	148	52		17	1	46	30	-	-	4 (26)	8	4	7	4	4	5/2	4	1	-	2	1	-	-	2/16	-	-		LQFP64 (10mm*10mm)	160/盘
	N32H473REL7		240	512	196	52		17	1	46	30	-	-	4 (26)	8	4	7	4	4	5/2	4	1	-	2	1	-	-	2/16	-	-		LQFP64 (10mm*10mm)	160/盘
	N32H473MCL7		240	256	148	66		17	1	49	30	-	-	4 (38)	8	4	7	4	4	6/2	4	1	-	2	1	-	-	2/16	-	-		LQFP80	119/盘
	N32H473MEL7		240	512	196	66		17	1	49	30	-	-	4 (38)	8	4	7	4	4	6/2	4	1	-	2	1	-	-	2/16	-	-		LQFP80	119/盘
	N32H473VCL7		240	256	148	86		17	1	52	30	-	-	4 (45)	8	4	7	4	4	6/2	4	1	-	2	1	-	1	2/16	-	-		LQFP100	90/盘
	N32H473VEL7		240	512	196	86		17	1	52	30	-	-	4 (45)	8	4	7	4	4	6/2	4	1	-	2	1	-	1	2/16	-	-		LQFP100	90/盘
	N32H473QCL7		240	256	148	107		17	1	52	30	-	-	4 (51)	8	4	7	4	4	6/2	4	1	-	2	1	-	1	2/16	-	-		LQFP128	90/盘
	N32H473QEL7		240	512	196	107		17	1	52	30	-	-	4 (51)	8	4	7	4	4	6/2	4	1	-	2	1	-	1	2/16	-	-		LQFP128	90/盘

注：“-”表示不支持, (1)表示xSPI仅支持4线

车规MCU																																	
Series	Commercial Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				LPRCNT	BEEPER	Connectivity								DMA/Channels	SEGMENT LCD	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)	
								Timer	RTC	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/ISO7816/LIN	UART/LIN	LPUART	SPI/PS	QSPI	I2C	USB Device	CAN								SDIO
N32A455	N32A455CEL8	Arm®Cortex®-M4F	72	512	144	37	1.8V~3.6V/ -40~+125℃	8	1	23	6	4(16)	2	4	5	-	-	3	3	-	3/2	1 ⁽¹⁾	3	-	2	-	2/16	-	-	-	DES/DES-AES/SHA1/SHA224/SHA256/SM1/SM3/SM4/SM7/MD5/GCRC16/GCRC32/TRNG	LQFP48 7mmx7mm	250/盘
	N32A455REL8		72	512	144	51		8	1	24	12	4(22)	2	4	7	-	-	3	4	-	3/2	1	4	-	2	1	2/16	-	-	-		LQFP64 10mmx10mm	160/盘
	N32A455VEL8		72	512	144	80		8	1	24	12	4(38)	2	4	7	-	-	3	4	-	3/2	1	4	-	2	1	2/16	-	-	-		LQFP100 14mmx14mm	90/盘
	N32A455CEL7		144	512	144	37	1.8V~3.6V/ -40~+105℃	8	1	23	6	4(16)	2	4	5	-	-	3	3	-	3/2	1 ⁽¹⁾	3	-	2	-	2/16	-	-	-		LQFP48 7mmx7mm	250/盘
	N32A455REL7		144	512	144	51		8	1	24	12	4(22)	2	4	7	-	-	3	4	-	3/2	1	4	-	2	1	2/16	-	-	-		LQFP64 10mmx10mm	160/盘
	N32A455VEL7		144	512	144	80		8	1	24	12	4(38)	2	4	7	-	-	3	4	-	3/2	1	4	-	2	1	2/16	-	-	-		LQFP100 14mmx14mm	90/盘
N32A003	N32A003F5Q8	Arm®Cortex®-M0	48	29.5	3	18	2.0~5.5V/ -40~125℃	3	-	14	14	1(9)	-	-	1	-	1	-	2 ⁽²⁾	-	1/0	-	1	-	-	-	-	-	-	-	CRC16	QFN20 3mmx3mm	490/盘 5000/卷
	N32A003F5Q7		48	29.5	3	18	2.0~5.5V/ -40~105℃	3	-	14	14	1(9)	-	-	1	-	1	-	2 ⁽²⁾	-	1/0	-	1	-	-	-	-	-	-	-		QFN20 3mmx3mm	490/盘 5000/卷
N32A052	N32A052KBQ8		64	128	16	29	2.0~5.5V/ -40~125℃	6	1	25	12	1(8)	1	-	3	-	1	-	5	-	3/0	-	2	-	1	-	1/5	4x11 2x13	-	-		QFN30 5mmx5mm	490/盘 2500/卷
	N32A052KBQ7		64	128	16	29	2.0~5.5V/ -40~105℃	6	1	25	12	1(8)	1	-	3	-	1	-	5	-	3/0	-	2	-	1	-	1/5	4x11 2x13	-	-		QFN30 5mmx5mm	490/盘 2500/卷

注：“-”表示不支持, (1)表示仅单线, (2)不支持LIN

通用MCU

Series	Commercial Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				LPRCNT	BEEPER	Connectivity										DMA/Channels	SEGMENT LCD	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)
								RTC	Timer	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/ISO7816/LIN	UART/LIN	LPUART	SPI/FS	QSPI	I2C	USB Device	CAN	SDIO								
N32G457	N32G457RCL7	Arm® Cortex®-M4F	144	256	144	51	1.8V~3.6V/-40~+105°C	8	1	24	12	4(22)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	1	1	DES/3DES, AES, SHA1, SHA224, SHA256, SM1, SM3, SM4, SM7, MD5, CRC16/CRC32, TRNG	LQFP64 (10mmx10mm)	160/盘	
	N32G457REL7		144	512	144	51		8	1	24	12	4(22)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	1	1		LQFP64 (10mmx10mm)	160/盘	
	N32G457MCL7		144	256	144	65		8	1	24	12	4(33)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	1	1		LQFP80	119/盘	
	N32G457MEL7		144	512	144	65		8	1	24	12	4(33)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	1	1		LQFP80	119/盘	
	N32G457VCL7		144	256	144	80		8	1	24	12	4(38)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	1	1		LQFP100	90/盘	
	N32G457VEL7		144	512	144	80		8	1	24	12	4(38)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	1	1		LQFP100	90/盘	
	N32G457QEL7		144	512	144	97		8	1	24	12	4(40)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	1	1		LQFP128	90/盘	
N32G455	N32G455TBQ7		144	128	80	26		8	1	23	6	4(11)	2	4	5	-	-	2	1	-	1/1	1 ⁽¹⁾	2	1	2	-	2/16	-	-	-		QFN36	490/盘	
	N32G455CBL7		144	128	80	37		8	1	23	6	4(16)	2	4	5	-	-	3	3	-	3/2	1 ⁽¹⁾	3	1	2	-	2/16	-	-	-		LQFP48	250/盘	
	N32G455CCL7		144	256	144	37		8	1	23	6	4(16)	2	4	5	-	-	3	3	-	3/2	1 ⁽¹⁾	3	1	2	-	2/16	-	-	-		LQFP48	250/盘	
	N32G455CEQ7		144	512	144	42		8	1	23	6	4(16)	2	4	7	-	-	3	4	-	3/2	1	3	-	2	1	2/16	-	-	-		QFN48	490/盘	
	N32G455CEL7		144	512	144	37		8	1	23	6	4(16)	2	4	7	-	-	3	4	-	3/2	1	3	1	2	1	2/16	-	-	-		LQFP48	250/盘	
	N32G455RCQ7		144	256	144	51		8	1	24	12	4(22)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		QFN64	260/盘	
	N32G455REQ7		144	512	144	51		8	1	24	12	4(22)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		QFN64	260/盘	
	N32G455RCL7		144	256	144	51		8	1	24	12	4(22)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP64 (10mmx10mm)	160/盘	
	N32G455REL7		144	512	144	51		8	1	24	12	4(22)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP64 (10mmx10mm)	160/盘	
	N32G455MCL7		144	256	144	65		8	1	24	12	4(33)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP80	119/盘	
	N32G455MEL7		144	512	144	65		8	1	24	12	4(33)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP80	119/盘	
	N32G455VCL7		144	256	144	80		8	1	24	12	4(38)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP100	90/盘	
	N32G455VEL7		144	512	144	80		8	1	24	12	4(38)	2	4	7	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP100	90/盘	

注：“-”表示不支持，(1)表示仅单线

通用MCU

Series	Commercial Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				LPRCNT	BEEPER	Connectivity										DMA/Channels	SEGMENT LCD	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)
								RTC Timer		PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/ISO7816/LIN	UART/LIN	LP/LART	SPI/I ² S	QSPI	I ² C	USB Device	CAN	SDIO								
N32G452	N32G452CBL7	Arm® Cortex®-M4F	144	128	80	37	1.8V~3.6V/-40~+105°C	8	1	23	6	2(10)	2	-	-	-	-	3	3	-	3/2	1 ⁽¹⁾	3	1	2	-	2/16	-	-	-	DES/3DES, AES, SHA1/SHA224/SHA256, SM1, SM3, SM4, SM7, MD5, CRC16/CRC32, TRNG	LQFP48	250/盘	
	N32G452CCL7		144	256	144	37		8	1	23	6	2(10)	2	-	-	-	-	3	3	-	3/2	1 ⁽¹⁾	3	1	2	-	2/16	-	-	-		LQFP48	250/盘	
	N32G452CEL7		144	512	144	37		8	1	23	6	2(10)	2	-	-	-	-	3	3	-	3/2	1 ⁽¹⁾	3	1	2	-	2/16	-	-	-		LQFP48	250/盘	
	N32G452RBL7		144	128	80	51		8	1	24	12	2(16)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		(10mmx10mm)	LQFP64	160/盘
	N32G452RCL7		144	256	144	51		8	1	24	12	2(16)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		(10mmx10mm)	LQFP64	160/盘
	N32G452REL7		144	512	144	51		8	1	24	12	2(16)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		(10mmx10mm)	LQFP64	160/盘
	N32G452MCL7		144	256	144	65		8	1	24	12	2(16)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP80	119/盘	
	N32G452MEL7		144	512	144	65		8	1	24	12	2(16)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP80	119/盘	
	N32G452VCL7		144	256	144	80		8	1	24	12	2(16)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP100	90/盘	
	N32G452VEL7		144	512	144	80		8	1	24	12	2(16)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP100	90/盘	
	N32G452QCL7		144	256	144	97		8	1	24	12	2(18)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP128	90/盘	
	N32G452QEL7		144	512	144	97		8	1	24	12	2(18)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	-		LQFP128	90/盘	
N32G451	N32G451CCL7	144	256	96	37	8	1	23	6	3(13)	2	-	-	-	-	3	3	-	3/2	-	3	1	1	-	2/16	-	-	-	LQFP48	250/盘				
	N32G451CEL7	144	512	96	37	8	1	23	6	3(13)	2	-	-	-	-	3	3	-	3/2	-	3	1	1	-	2/16	-	-	-	LQFP48	250/盘				
	N32G451RBL7	144	128	48	51	8	1	24	12	3(19)	2	-	-	-	-	3	4	-	3/2	-	4	1	1	1	2/16	-	-	-	(10mmx10mm)	LQFP64	160/盘			
	N32G451RCL7	144	256	96	51	8	1	24	12	3(19)	2	-	-	-	-	3	4	-	3/2	-	4	1	1	1	2/16	-	-	-	(10mmx10mm)	LQFP64	160/盘			
	N32G451REL7	144	512	96	51	8	1	24	12	3(19)	2	-	-	-	-	3	4	-	3/2	-	4	1	1	1	2/16	-	-	-	(10mmx10mm)	LQFP64	160/盘			
	N32G451VCL7	144	256	96	80	8	1	24	12	3(31)	2	-	-	-	-	3	4	-	3/2	-	4	1	1	1	2/16	-	-	-	LQFP100	90/盘				
	N32G451VEL7	144	512	96	80	8	1	24	12	3(31)	2	-	-	-	-	3	4	-	3/2	-	4	1	1	1	2/16	-	-	-	LQFP100	90/盘				

注：“-”表示不支持，(1)表示仅单线

通用MCU

Series	Commerical Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				L/PRCNT	BEEPER	Connectivity										DMA/Channels	SEGMENT LCD	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)
								RTC	Timer	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/ISO7816/LIN	UART/LIN	LP/UART	SPI/FS	QSPI	I2C	USB Device	CAN	SDIO								
N32G4FR	N32G4FRKEQ7	Arm® Cortex®-M4F	144	512	144	24	1.8V~3.6V/-40~+105°C	8	1	10	6	2(7)	2	-	-	-	-	1	3	-	2/1	1	3	1	1	-	2/16	-	-	-	DES/3DES, AES, SHA1, SHA224/SHA256, SM1, SM3, SM4, SM7, MD5, CRC16/CRC32, TRNG	QFN32 (4mmx4mm)	490/盘	
	N32G4FRHEQ7		144	512	144	32		8	1	12	6	2(11)	2	-	-	-	-	2	4	-	3/2	1	4	1	2	-	2/16	-	-	1		QFN40	490/盘	
	N32G4FRREL7		144	512	144	51		8	1	24	12	2(16)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	1		LQFP64 (10mmx10mm)	160/盘	
	N32G4FRMEL7		144	512	144	65		8	1	24	12	2(16)	2	-	-	-	-	3	4	-	3/2	1	4	1	2	1	2/16	-	-	1		LQFP80	119/盘	
N32G435	N32G435GBQ7		108	128	32	24		10	1	16	6	1(10)	1	2	2	-	-	2	2	1	1/1	-	2	-	-	-	1/8	-	-	-		QFN28	490/盘	
	N32G435KBL7		108	128	32	26		10	1	17	6	1(10)	1	2	2	-	-	2	2	1	2/2	-	2	1	1	-	1/8	-	-	-		LQFP32	250/盘	
	N32G435CBL7		108	128	32	38		10	1	24	6	1(10)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	-	-	-		LQFP48	250/盘	
	N32G435RBL7		108	128	32	52		10	1	28	12	1(16)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	-	-	-		LQFP64 10mmx10mm	160/盘	
	N32G435RBL7-1		108	128	32	52		10	1	28	12	1(16)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	-	-	-		LQFP64 7mmx7mm	250/盘	
N32G432	N32G432KBL7		108	128	32	26	10	1	17	6	1(10)	1	-	-	-	-	2	2	1	2/2	-	2	1	1	-	1/8	-	-	-	CRC16/ CRC32	LQFP32	250/盘		
	N32G432C8L7		108	64	24	38	10	1	24	6	1(10)	1	-	-	-	-	3	2	1	2/2	-	2	1	1	-	1/8	-	-	-		LQFP48	250/盘		
	N32G432CBL7		108	128	32	38	10	1	24	6	1(10)	1	-	-	-	-	3	2	1	2/2	-	2	1	1	-	1/8	-	-	-		LQFP48	250/盘		
N32G430	N32G430F8Q7		128	64	16	16	8	1*	11	10	1(7)	-	-	3	-	1	2*	1	-	2/2	-	2	-	1	-	1/8	-	-	-		UQFN20	490/盘 5000/卷		
	N32G430G8Q7		128	64	16	24	8	1*	19	14	1(10)	-	-	3	-	1	2*	2	-	2/2	-	2	-	1	-	1/8	-	-	-		QFN28	490/盘		
	N32G430K8Q7		128	64	16	26	8	1*	20	14	1(10)	-	-	3	-	1	2	2	-	2/2	-	2	-	1	-	1/8	-	-	-		QFN32 (4mmx4mm)	490/盘		
	N32G430C8Q7		128	64	16	40	8	1	24	14	1(16)	-	-	3	-	1	2	2	-	2/2	-	2	-	1	-	1/8	-	-	-		QFN48	490/盘		
	N32G430F8S7		128	64	16	16	8	1*	11	10	1(9)	-	-	3	-	1	2*	1	-	2/2	-	2	-	1	-	1/8	-	-	-		TSSOP20	70/管		
	N32G430F8S7-1		128	64	16	16	8	1*	11	10	1(9)	-	-	3	-	1	2*	1	-	2/2	-	2	-	1	-	1/8	-	-	-		TSSOP20	70/管		
	N32G430K8L7		128	64	16	26	8	1*	20	14	1(10)	-	-	3	-	1	2	2	-	2/2	-	2	-	1	-	1/8	-	-	-		LQFP32	250/盘		
	N32G430C8L7		128	64	16	40	8	1	24	14	1(16)	-	-	3	-	1	2	2	-	2/2	-	2	-	1	-	1/8	-	-	-		LQFP48	250/盘		

注:1.“-”表示不支持

2.“*”表示非所有功能管脚都引出,具体参见数据手册的引脚复用定义

3. N32G430F6S7和N32G430F8S7的Pin2/Pin3为OSC_IN/OSC_OUT;N32G430F6S7-1和N32G430F8S7-1的Pin2/Pin3为OSC32_IN/OSC32_OUT

通用MCU

Series	Commercial Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				LPRCNT	BEEPER	Connectivity								DMA/Channels	SEGMENT LCD	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCs)				
								RTC	Timer	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/ISO7816/LIN	LPUART	SPI/FS	QSPI	I2C	USB Device	CAN	SDIO											
N32G415	N32G415R8L7	Arm®Cortex®-M4	80	64	16	61	2.0V~5.5V/-40~+105°C	8	1	24	9	2(26)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	LQFP64 (10mm x 10mm)	160/盘	
	N32G415RBL7		80	128	24	61		8	1	24	9	2(26)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	LQFP64 (10mm x 10mm)	160/盘	
	N32G415C8L7		80	64	16	45		8	1	23	9	2(20)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	LQFP48	250/盘	
	N32G415CBL7		80	128	24	45		8	1	23	9	2(20)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	LQFP48	250/盘	
	N32G415K8L7		80	64	16	30		8	1	23	9	2(14)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	LQFP32	250/盘	
	N32G415KBL7		80	128	24	30		8	1	23	9	2(14)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	LQFP32	250/盘	
	N32G415K8Q7		80	64	16	30		8	1	23	9	2(14)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	QFN32 (5mm x 5mm)	490/盘	
	N32G415KBQ7		80	128	24	30		8	1	23	9	2(14)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	QFN32 (5mm x 5mm)	490/盘	
	N32G415G8Q7		80	64	16	26		8	1	21	9	2(13)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	QFN28	490/盘	
N32G415GBQ7	80		128	24	26	8		1	21	9	2(13)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	QFN28	490/盘		
N32G412	N32G412R8L7		80	64	16	53		8	1	24	9	2(26)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	LQFP64 (10mm x 10mm)	160/盘
	N32G412RBL7		80	128	24	53		8	1	24	9	2(26)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	LQFP64 (10mm x 10mm)	160/盘
	N32G412R8L7-1		80	64	16	53		8	1	24	9	2(26)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	LQFP64 (7mm x 7mm)	250/盘
	N32G412RBL7-1		80	128	24	53		8	1	24	9	2(26)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	LQFP64 (7mm x 7mm)	250/盘
	N32G412C8L7		80	64	16	39		8	1	24	9	2(19)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	LQFP48	250/盘
	N32G412CBL7		80	128	24	39		8	1	24	9	2(19)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	LQFP48	250/盘
	N32G412K8L7		80	64	16	27		8	1	19	9	2(12)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	LQFP32	250/盘
	N32G412KBL7		80	128	24	27		8	1	19	9	2(12)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	LQFP32	250/盘
	N32G412C8Q7		80	64	16	39		8	1	24	9	2(19)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	QFN48	490/盘
	N32G412CBQ7		80	128	24	39		8	1	24	9	2(19)	-	4	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	QFN48	490/盘
	N32G412K8Q7		80	64	16	27		8	1	19	9	2(12)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	QFN32 (4mm x 4mm)	490/盘
	N32G412KBQ7		80	128	24	27		8	1	19	9	2(12)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	QFN32 (4mm x 4mm)	490/盘
	N32G412K8Q7-1		80	64	16	39		8	1	23	9	2(16)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	QFN32 (5mm x 5mm)	490/盘
	N32G412KBQ7-1		80	128	24	39		8	1	23	9	2(16)	-	3	3	-	-	4	-	-	2/1	-	2	-	1	-	1/7	-	-	-	-	-	-	-	QFN32 (5mm x 5mm)	490/盘
	N32G412G8Q7		80	64	16	25		8	1	18	8	2(12)	-	3	3	-	-	4	-	-	2/1	-	2	-	0	-	1/7	-	-	-	-	-	-	-	QFN28	490/盘
	N32G412GBQ7		80	128	24	25		8	1	18	8	2(12)	-	3	3	-	-	4	-	-	2/1	-	2	-	0	-	1/7	-	-	-	-	-	-	-	QFN28	490/盘

注：“-”表示不支持

通用MCU																																	
Series	Commerical Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				L/PRCNT	BEEPER	Connectivity								DMA/Channels	SEGMENT LCD	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)	
								Timer	RTC	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/ISO7816/LIN	UART/LIN	LPUART	SPI/I²S	QSPI	I²C	USB Device	CAN								SDIO
N32G401	N32G401F8Q7	Arm®Cortex®-M4F	72	64	8	16	2.4V~3.6V/-40~+105°C	8	1	11	10	1 (7)	-	-	3	-	1	2	1	-	2/2	-	2	-	-	-	1/8	-	-	-	CRC16/CRC32	UQFN20	490/盘
	N32G401G8Q7		72	64	8	24		8	1	19	14	1 (10)	-	-	3	-	1	2	2	-	2/2	-	2	-	-	-	1/8	-	-	-		QFN28	490/盘
	N32G401K8Q7		72	64	8	26		8	1	20	14	1 (10)	-	-	3	-	1	2	2	-	2/2	-	2	-	-	-	1/8	-	-	-		QFN32 (4mmx4mm)	490/盘
	N32G401K8Q7-1		72	64	8	28		8	1	20	14	1 (11)	-	-	3	-	1	2	2	-	2/2	-	2	-	-	-	1/8	-	-	-		QFN32 (5mmx5mm)	490/盘
	N32G401K8Q7-2		72	64	16	28		8	1	22	12	1 (14)	-	-	3	-	1	2	2	-	2/2	-	2	-	-	-	1/8	-	-	-		QFN32 (4mmx4mm)	490/盘
	N32G401F8S7-1		72	64	8	16		8	1	11	10	1 (9)	-	-	-	-	1	2	1	-	2/2	-	2	-	-	-	1/8	-	-	-		TSSOP20	70/管
	N32G401K8L7		72	64	8	26		8	1	20	14	1 (10)	-	-	3	-	1	2	2	-	2/2	-	2	-	-	-	1/8	-	-	-		LQFP32	250/盘
	N32G401C8L7		72	64	8	40		8	1	24	14	1 (16)	-	-	3	-	1	2	2	-	2/2	-	2	-	-	-	1/8	-	-	-		LQFP48	250/盘

注：“-”表示不支持

通用MCU

Series	Commerical Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				LPRCNT	BEEPER	Connectivity										DMA/Channels	SEGMENT LCD	LED	DVP	Cryptographic Algorithm	Package	SPQ(PCS)
								Timer	RTC	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/ISO786/LIN	UART/LIN	LP/UART	SPI/FS	QSPI	I2C	USB Device	CAN	SDIO								
N32G052	N32G052KBQ7	Arm®Cortex®-M0	64	128+8	16	29	2.0V~5.5V/-40~+105°C	6	1	38	4	1(8)	1	-	3	-	1	-	5	-	3/0	-	2	-	1	-	1/5	4x11/ 2x13	-	-	CRC16	QFN32 (5mmx5mm)	490/盘 2500/卷	
	N32G052SBL7A		64	128+8	16	41		6	1	38	4	1(15)	1	-	4	-	1	-	5	-	3/0	-	2	-	1	-	1/5	3x27	-	-		LQFP44 (10mmx10mm) pinouts 2	160/盘	
	N32G052CBL7		64	128+8	16	45		6	1	38	4	1(12)	1	-	4	-	1	-	5	-	3/0	-	2	-	1	-	1/5	8x22/ 4x26/ 3x27	-	-		LQFP48 (7mmx7mm)	250/盘	
	N32G052RBL7		64	128+8	16	61		6	1	50	4	1(15)	1	-	4	-	1	-	5	-	3/0	-	2	-	1	-	1/5	8x32/ 4x36/ 3x37	-	-		LQFP64 14mmx14mm)	90/盘	
	N32G052RBL7B		64	128+8	16	61		6	1	50	4	1(15)	1	-	4	-	1	-	5	-	3/0	-	2	-	1	-	1/5	8x32/ 4x36/ 3x37	-	-		LQFP64 (10mmx10mm)	160/盘	
	N32G052RBL7C		64	128+8	16	61		6	1	50	4	1(15)	1	-	4	-	1	-	5	-	3/0	-	2	-	1	-	1/5	8x32/ 4x36/ 3x37	-	-		LQFP64 (7mmx7mm)	250/盘	
N32G033	N32G033F8S7		64	64	6	17	2.0V~5.5V/-40~+105°C	4	-	10	6	1(9)	-	1	1	-	-	-	2	1	2/-	-	2	-	-	-	1/3	-	-	-	1	TSSOP20	3500/卷 70/管	
	N32G033F8Q7		64	64	6	19		4	-	10	6	1(9)	-	2	1	-	-	-	2	1	2/-	-	2	-	-	-	1/3	-	-	-		QFN20 (3mmx3mm)	490/盘	
	N32G033F8Q7-1		64	64	6	19		4	-	10	6	1(9)	-	2	1	-	-	-	2	1	2/-	-	2	-	-	-	1/3	-	-	-		QFN20 (3mmx3mm)	490/盘	
	N32G033K8L7		64	64	6	27		4	-	10	8	1(10)	-	3	1	-	-	-	2	1	2/-	-	2	-	-	-	1/3	-	-	-		LQFP32	250/盘	
	N32G033K8Q7		64	64	6	29		4	-	10	8	1(11)	-	3	1	-	-	-	2	1	2/-	-	2	-	-	-	1/3	-	-	-		QFN32 (5mmx5mm)	490/盘	
	N32G033K8Q7-1		64	64	6	29		4	-	10	8	1(11)	-	3	1	-	-	-	2	1	2/-	-	2	-	-	-	1/3	-	-	-		QFN32 (4mmx4mm)	490/盘	
N32G032	N32G032F6U7		48	32	8	16	1.8V~5.5V/-40~+105°C	6	1	11	3	1(7)	-	1	2	-	2	2	1	2	1/1	-	2	-	1	-	1/8	-	-	-	AES, SMA, CRC16/CRC32, TRNG	UFQFPN20	490/盘 5000/卷	
	N32G032F6S7		48	32	8	16		6	1	11	3	1(9)	-	1	3	-	1	2	1	2	1/1	-	2	-	1	-	1/8	-	-	-		TSSOP20	70/管	
	N32G032F8S7		48	64	16	16		6	1	11	3	1(9)	-	1	3	-	1	2	1	2	1/1	-	2	-	1	-	1/8	-	-	-		TSSOP20	70/管	
	N32G032P6W7		48	32	8	21		6	1	15	3	1(10)	-	1	3	-	2	2	2	2	2/1	-	2	-	1	-	1/8	-	-	-		WLCSP25	3000/卷	
	N32G032P8W7		48	64	16	21		6	1	15	3	1(10)	-	1	3	-	2	2	2	2	2/1	-	2	-	1	-	1/8	-	-	-		WLCSP25	3000/卷	
	N32G032K6Q7		48	32	8	28		6	1	17	6	1(10)	-	1	3	-	2	2	2	2	2/1	-	2	-	1	-	1/8	-	-	-		QFN32	490/盘	
	N32G032K6L7		48	32	8	26		6	1	17	6	1(10)	-	1	3	-	2	2	2	2	3/2	-	2	-	1	-	1/8	-	-	-		LQFP32	250/盘	
	N32G032K8L7		48	64	16	26		6	1	17	6	1(10)	-	1	3	-	2	2	2	2	3/2	-	2	-	1	-	1/8	-	-	-		LQFP32	250/盘	
	N32G032C8L7		48	64	16	40		6	1	17	6	1(10)	-	1	3	-	2	2	2	2	3/1	-	2	-	1	-	1/8	-	-	-		LQFP48	250/盘	
	N32G032R8L7		48	64	16	56		6	1	17	6	1(16)	-	1	3	-	2	2	2	2	3/1	-	2	-	1	-	1/8	-	-	-		LQFP64 (10mmx10mm)	160/盘	

注：“-”表示不支持

通用MCU

Series	Commerical Product Code	Core	Fr equency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				L/PRCNT	BEEPER	Connectivity								DMA/Channels	SEGMENT LCD	LED	DVP	Cryptographic Algorithm	Package	SPQ(PCS)	
								Timer	RTC	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/ISO7816/LIN	UART/LIN	LP/UART	SPI/FS	QSPI	I2C	USB Device	CAN								SDIO
N32G031x8	N32G031F8U7	Arm®Cortex®-M0	48	64	8	16	1.8V~5.5V/-40~+105°C	5	1	11	3	1(7)	-	1	1	-	2	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-	CRC16/CRC32	UFQFPN20	490/盘 5000/卷
	N32G031F8S7		48	64	8	16		5	1	11	3	1(9)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		TSSOP20	70/管
	N32G031K8Q7		48	64	8	28		5	1	14	6	1(10)	-	1	1	-	2	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		QFN32 (5mmx5mm)	490/盘
	N32G031K8Q7-1		48	64	8	28		5	1	14	6	1(10)	-	1	1	-	2	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		QFN32 (4mmx4mm)	490/盘
	N32G031K8L7		48	64	8	26		5	1	14	6	1(10)	-	1	1	-	2	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		LQFP32	250/盘
	N32G031C8L7		48	64	8	40		5	1	14	6	1(12)	-	1	1	-	2	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		LQFP48	250/盘
N32G031x6	N32G031F6U7		48	32	8	16		5	1	11	3	1(7)	-	1	1	-	2	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		UFQFPN20	490/盘 5000/卷
	N32G031F6S7		48	32	8	16		5	1	11	3	1(9)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		TSSOP20	70/管
	N32G031K6Q7		48	32	8	28		5	1	14	6	1(10)	-	1	1	-	2	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		QFN32 (5mmx5mm)	490/盘
	N32G031K6Q7-1		48	32	8	28		5	1	14	6	1(10)	-	1	1	-	2	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		QFN32 (4mmx4mm)	490/盘
	N32G031K6L7		48	32	8	26		5	1	14	6	1(10)	-	1	1	-	2	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		LQFP32	250/盘
N32G030	N32G030F6U7		48	32	8	16		5	1	11	3	1(7)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		UFQFPN20	490/盘 5000/卷
	N32G030F6S7		48	32	8	16		5	1	11	3	1(9)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		TSSOP20	70/管
	N32G030F8S7		48	64	8	16		5	1	11	3	1(9)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		TSSOP20	70/管
	N32G030K6Q7		48	32	8	28		5	1	14	6	1(10)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		QFN32 (5mmx5mm)	490/盘
	N32G030K6Q7-1		48	32	8	28		5	1	14	6	1(10)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		QFN32 (4mmx4mm)	490/盘
	N32G030K6L7		48	32	8	26		5	1	14	6	1(10)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		LQFP32	250/盘
	N32G030K8L7		48	64	8	26		5	1	14	6	1(10)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		LQFP32	250/盘
	N32G030K8Q7-1		48	64	8	28		5	1	14	6	1(10)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		QFN32 (4mmx4mm)	490/盘
	N32G030C8L7		48	64	8	40		5	1	14	6	1(12)	-	1	1	-	1	2	-	1	2/1	-	2	-	-	-	1/5	-	-	-		LQFP48	250/盘

注：“-”表示不支持

通用MCU

Series	Commercial Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				LPRCNT	BEEPER	Connectivity										DMA/Channels	SEGMENT LCD	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)
								RTC	Timer	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			SPI/FS	QSPI	I2C	USB Device	CAN	SDIO	UART/LIN	LPUART	USART/ISO78L6/LIN								
N32G003	N32G003F4Q7	Arm® Cortex®-M0	48	16	3	18	2V~5.5V/ -40~+105°C	3	-	2	6	1 (9)	-	-	1	-	1	-	2 ⁽¹⁾	-	1/-	-	1	-	-	-	-	-	-	-	-	-	QFN20 (3mmx3mm)	490/盘 5000/卷
	N32G003F5Q7		48	29.5	3	18		3	-	2	6	1 (9)	-	-	1	-	1	-	2 ⁽¹⁾	-	1/-	-	1	-	-	-	-	-	-	-	-	QFN20 (3mmx3mm)	490/盘	
	N32G003F4S7		48	16	3	18		3	-	2	6	1 (9)	-	-	1	-	1	-	2 ⁽¹⁾	-	1/-	-	1	-	-	-	-	-	-	-	-	TSSOP20	70/管	
	N32G003F5S7		48	29.5	3	18		3	-	2	6	1 (9)	-	-	1	-	1	-	2 ⁽¹⁾	-	1/-	-	1	-	-	-	-	-	-	-	-	TSSOP20	70/管	

注：“-”表示不支持, (1)不支持LIN模式

低功耗MCU

Series	Commercial Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				LPRCNT	BEEPER	Connectivity										DMA/Channels	SEGMENT LCD	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)
								Timer	RTC	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/SO28/LIN	UART/LIN	LPUART	SPI/FS	QSPI	I2C	USB Device	CAN	SDIO								
N32L43x	N32L436CBL7	Arm® Cortex®-M4F	108	128	32	38	1.8V~3.6V/-40~+105°C	10	1	24	6	1(10)	1	2	2	Y	-	3	2	1	2/2	-	2	1	1	-	1/8	4x20	-	-	DES/3DES, AES, SHA1/SHA224/SHA256, SM1, SM3, SM4, SM7, MD5, CRC16/CRC32, TRNG	LQFP48	250/盘	
	N32L436RBL7		108	128	32	52		10	1	28	12	1(16)	1	2	2	Y	-	3	2	1	2/2	-	2	1	1	-	1/8	4x34 8x30	-	-		LQFP64 (10mmx10mm)	160/盘	
	N32L436MBL7		108	128	32	64		10	1	28	12	1(16)	1	2	2	Y	-	3	2	1	2/2	-	2	1	1	-	1/8	4x44 8x40	-	-		LQFP80	119/盘	
N32L406CBQ7	64		128	24	38	10		1	24	6	1(10)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	4x20	-	-	QFN48		490/盘		
N32L406CBL7	64		128	24	38	10		1	24	6	1(10)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	4x20	-	-	LQFP48		250/盘		
N32L406CDL7	64		384	24	38	10		1	24	6	1(10)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	4x20	-	-	LQFP48		250/盘		
N32L406RBL7	64		128	24	52	10		1	28	12	1(16)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	4x34 8x30	-	-	LQFP64 (10mmx10mm)		160/盘		
N32L406RBL7-1	64		128	24	52	10		1	28	12	1(16)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	4x34 8x30	-	-	LQFP64 (7mmx7mm)		250/盘		
N32L406RDL7	64		384	24	52	10		1	28	12	1(16)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	4x34 8x30	-	-	LQFP64 (10mmx10mm)		160/盘		
N32L406MBL7	64		128	24	64	10		1	28	12	1(16)	1	2	2	-	-	3	2	1	2/2	-	2	1	1	-	1/8	4x34 8x30	-	-	LQFP80		119/盘		
N32L403K8Q7	64		64	16	26	10		1	17	6	1(10)	1	2	2	-	-	2	2	1	2/2	-	2	1	1	-	1/8	-	-	-	QFN32 (4mmx4mm)	490/盘			
N32L403KBQ7	64		128	24	26	10		1	17	6	1(10)	1	2	2	-	-	2	2	1	2/2	-	2	1	1	-	1/8	-	-	-	QFN32 (4mmx4mm)	490/盘			
N32L402CBQ7	64		128	16	38	10		1	24	6	1(10)	1	2	2	-	-	3	2	1	2/2	-	2	1	-	-	1/8	4x20	-	-	QFN48	490/盘 3000/卷			
N32L402CBL7	64		128	16	38	10		1	24	6	1(10)	1	2	2	-	-	3	2	1	2/2	-	2	1	-	-	1/8	4x20	-	-	LQFP48	250/盘 2000/卷			
N32L402RBL7	64		128	16	52	10		1	28	12	1(16)	1	2	2	-	-	3	2	1	2/2	-	2	1	-	-	1/8	4x34 8x30	-	-	LQFP64 (10mmx10mm)	160/盘			
N32L402RDL7	64		384	16	52	10		1	28	12	1(16)	1	2	2	-	-	3	2	1	2/2	-	2	1	-	-	1/8	4x34 8x30	-	-	LQFP64 (10mmx10mm)	160/盘			

注：“-”表示不支持

N32WB BLE

Series	Commerical Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM	Analog Interface			Connectivity								DMA/Channels	SEGMENT LCD	AMIC	IRC	BLE	DVP	Sensitivity	dbm	Power Consumption			Cryptographic Algorithm	Package	SPQ(PCS)				
								RTC	PWM		Complementary PWM	10-bit ADC Cell (CHs)	12-bit ADC Cell (CHs)	12-bit DAC CHs	LPRCNT	USART/ISO7816/LIN	UART/LIN	LPUART	SPI/FS	QSPI	I ² C									USB Device	CAN	SDIO				Run(Typ)	Sleep	ShutDown	
N32WB452	N32WB452CEQ6	Arm® Cortex®-M4F+M0	144	512	144	29	1.8V~3.6V -40~+85°C	8	1	23	6	-	2(6)	2	-	3	2	-	3/2	-	2	1	2	-	2/16	-	-	-	-	-	-	最大+34dbm	0.11A	1.2μA	Rx:3.5mA@3.3V Tx:3.6mA @0dbm/3.3V	AES/DES/3DES/SHA/SM1/SM3/SM4/SM7/MD5/CRC16/CRC32/TRNG	QFN48	490/塑	
	N32WB452REQ6		144	512	144	43		8	1	24	6	-	2(11)	2	-	3	3	-	3/2	-	3	1	2	-	2/16	-	-	-	-	-	-	0.11A	1.2μA	Rx:3.5mA@3.3V Tx:3.6mA @0dbm/3.3V	AES/DES/3DES/SHA/SM1/SM3/SM4/SM7/MD5/CRC16/CRC32/TRNG	QFN64	348/塑		
	N32WB452LEQ6		144	512	144	65		8	1	24	6	-	2(16)	2	-	3	4	-	3/2	-	4	1	2	1	2/16	-	-	-	-	-	1	最大+34dbm	0.11A	1.2μA	Rx:3.5mA@3.3V Tx:3.6mA @0dbm/3.3V	AES/DES/3DES/SHA/SM1/SM3/SM4/SM7/MD5/CRC16/CRC32/TRNG	QFN88	168/塑	
N32WB436	N32WB436RFQ7	Arm® Cortex®-M4F+M0	108	640	80	49	1.8V~3.6V -40~+105°C	8	1	24	6	-	1(16)	1	-	3	1	1	2/2	-	2	1	1	-	1/8	4x31 8x27	-	-	-	-	-	BLE5.1	最大+6dbm	4.6μA	4.6μA	Rx:3.8mA @3.3V Tx:4.2mA @0dbm/3.3V	AES/DES/3DES/SHA/SM1/SM3/SM4/SM7/MD5/CRC16/CRC32/TRNG	QFN64	260/塑
N32WB033	N32WB033CEQ7	Arm® Cortex®-M0+	64	512	80	39	1.8V~3.6V -40~+105°C	4	1	8	8	-	1(16)	-	-	2	-	2	3	-	2	-	1	-	1/7	-	1	1	-	-	BLE5.1	最大+8dbm	0.15μA	1.8μA	Rx:3.8mA @3.3V Tx:4.2mA @0dbm/3.3V	CRC16/32	QFN48 (6mmx6mm)	490/塑	
	N32WB033KEQ7		64	512	80	22	1.8V~3.6V -40~+105°C	4	1	8	8	-	1(16)	-	-	2	-	1	2	-	2	-	1	-	1/7	-	1	1	-	-	BLE5.1	最大+8dbm	0.15μA	1.8μA	Rx:3.8mA @3.3V Tx:4.2mA @0dbm/3.3V	CRC16/32	QFN32 (4mmx4mm)	490/塑	
N32WB031	N32WB031KEQ6-1	Arm® Cortex®-M0	64	512	64	21	1.8V~3.6V -40~+85°C	3	1	8	6	1(8)	-	-	-	2	-	1	2/2	-	1	-	-	-	1/5	-	1	1	-	-	BLE5.1	最大+6dbm	0.13μA	1.4μA	Rx:3.8mA@3.3V Tx:4.2mA @0dbm/3.3V	CRC16/32	QFN32 (4mmx4mm)	490/塑	
	N32WB031KEQ7-1		64	512	64	21	1.8V~3.6V -40~+105°C	3	1	8	6	1(8)	-	-	-	2	-	1	2/2	-	1	-	-	1/5	-	1	1	-	-	BLE5.1	最大+6dbm	0.13μA	1.4μA	Rx:3.8mA@3.3V Tx:4.2mA @0dbm/3.3V	CRC16/32	QFN32 (4mmx4mm)	490/塑		
	N32WB031KEQ6-2		64	512	64	21	2.32V~3.6V -40~+85°C	3	1	8	6	1(8)	-	-	-	2	-	1	2/2	-	1	-	-	-	1/5	-	1	1	-	-	BLE5.1	最大+6dbm	0.13μA	1.4μA	Rx:3.8mA@3.3V Tx:4.2mA @0dbm/3.3V	CRC16/32	QFN32 (4mmx4mm)	490/塑	

注：“-”表示不支持

电控MCU																																		
Series	Commerical Product Code	Core	Frequency (MHz)	Flash (KB)	SRAM (KB)	I/O	Supply Voltage/ Operating Temperature	Timer		PWM		Analog Interface				LPRCNT	BEEPER	Connectivity								DMA/Channels	SEGMENT LCD	ETH	DVP	Cryptographic Algorithm	Package	SPQ(PCS)		
								Timer	RTC	PWM	Complementary PWM	12-bit ADC Cell (CHs)	12-bit DAC CHs	OPAMP	COMP			USART/ISO7816/LIN	UART/LIN	LPUART	SPI/FS	QSPI	FC	USB Device	CAN								SDIO	
N32M418	N32M418K8L7	Arm® Cortex® -MAF	128	64	16	23	MCU:2.4V~3.6V LDO:3.6V~18V/ -40~+105℃	8	1	7	10	1(8)	-	2	3	-	1	2	2	-	2/2	-	2	-	1	-	1/8	-	-	-	-	CRCL6/CRC32	LQFP32	250/盘
N32M012	N32M012E8P7	Arm® Cortex® -M0	64	64	6	14	MCU:2.0V~5.5V LDO:6V~24V/ 3P3N预驱:6V~40V -40~+105℃	3	-	10	6	1(7)	-	3	1	-	-	-	2	1	2/0	-	2	-	-	-	1/3	-	-	-	-	-	SSOP24	50/管
	N32M012G8P7		64	64	6	18	3	-	10	6	1(11)	-	3	1	-	-	-	2	1	2/0	-	2	-	-	-	1/3	-	-	-	-	-	SSOP28	50/管	
	N32M012K8Q7		64	64	6	20	3	-	10	6	1(9)	-	3	1	-	-	-	2	1	2/0	-	2	-	-	-	1/3	-	-	-	-	-	QFN32	490/盘	
N32M016	N32M016H8Q7		64	64	6	21	MCU:2.0V~5.5V LDO:7V~20V 预驱:15V/ -40~+105℃	4	-	10	6	1(11)	-	3	1	-	-	-	2	1	2/0	-	2	-	-	-	1/3	-	-	-	-	-	QFN40	490/盘

注：“-”表示不支持

安全芯片

Series	Commerical Product Code	Core	Frequency (MHz)	Flash (KB)	ROM (KB)	EEPROM (KB)	SRAM (KB)	Supply Voltage/ Operating Temperature I/O	Timer			Complementary PWM	Analog Interface				LCD	Three Track Magnetic Head	Connectivity					Complementary PWM	ESD (HM)		Power Consumption			Security/Management	Cryptographic Algorithm	Package	Certification					Turnkey Delivery	SPQ(PCS)			
									SysTick	RTC	12-bit ADC CHs		10-bit DAC CHs	10-bit ADC CHs	COMP	UART			SPI/FS	I2C	USB Device	ISO14443	Contactless(KV)		Contact(KV)	PowerDown	Standby	Run(Typ)	CCITCC				CITSEC	BCTC	NIST	USB-IF						
多用途安全芯片	N32S033	Arm® Cortex®-M0	80	512	-	-	33	30	1.8V~5.5V/ -40~+85°C	5	1	1	1	-	12	-	5	1	-	-	1	2	2/1	2	1	-	1/6	±4	-	0.1uA	80uA	125uA /MHz	•	AES/DES/3DES/SM1/SM4/RS4/ECC/SM2/SM3/SHA1/224/256/384/512/SM3	QFN48 QFN32 SOP8	二级	EAL4+	-	-	USB IF认证	Yes	490/盘
	N32S032		80	320	-	-	21	30	1.8V~5.5V/ -40~+105°C	5	1	1	8	12	-	1	5	1	-	-	1	3	2/-	2	1	-	1/8	±4	-	0.1uA	80uA	110uA /MHz	•	QFN48 QFN32 QFN20/SOP8	二级	EAL5+	-	FIPS140-2 CAVP 认证	USB IF认证	Yes	490/盘	
	N32S032 (车规)		80	320	-	-	21	30	1.8V~5.5V/ -40~+105°C	5	1	1	8	12	-	1	5	1	-	-	1	3	2/-	2	1	-	1/8	±4	-	0.1uA	80uA	110uA /MHz	•	QFN48 QFN32 QFN20/SOP8	二级	EAL5+	-	FIPS140-2 CAVP 认证	USB IF认证	Yes	490/盘	
	N32S035		80	100	-	-	-	5	1.8±5%V, 3.3±10%V/ -40~105°C	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	±4	±0.5	2uA	75uA	12mA	•	(NISTP256/P384/P521), ECDSA/SM2/SM3/SM4/RS4/ECC/SM2/SM3/SHA-1/SHA-224/SHA-256/SHA-384/SHA-512	DFN8	-	EAL5+	-	FIPS 140-3 level3 CMVP 认证	-	Yes	5000/卷
	N32S003		48	64	-	-	6	5 6 4	1.8V~5.5V/ -40~+85°C	2	1	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	±6	-	0.5uA	85uA	2.85 mA	•	AES/DES/3DES/SM4/RS4/ECC/SM2/SHA256/SM3	DFN8-3 DFN8/SOP8 DFN6	二级	EAL4+	-	-	-	Yes	3000/卷 5000/卷 490/盘	
	N32S002-1		16	32	-	-	6	5 4	2.0~3.6V/ -40~85°C	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	±4	-	360uA	500uA	1mA	•	SM2/SM3/SM4/SHA256/AES/ECC	DFN8 SOT23-6	-	-	-	-	-	3000/卷		
	N32S002-2		16	32	-	-	6	5 4	2.0~3.6V/ -40~85°C	2	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	±4	-	360uA	500uA	1mA	•	SM2/SM3/SM4/SHA256/AES/ECC	DFN8 SOT23-6	-	-	-	-	-	3000/卷		
	Z32HUA-1		80	512	-	-	51	33	2.4V~5.5V/ -25~+85°C	5	1	1	-	3	-	-	-	-	-	-	•	3	3/-	1	1	-	1/8	±4	-	1uA	130uA	20 mA	•	AES/DES/3DES/SM1/SM4/RS4/ECC/SM2/SM3/SHA1/224/256/384/512/SM3	QFN68 QFN32	二级	EAL4+	终端芯片安全评估,个人支付终端安全评估	FIPS 140-2 CAVP 认证	USB IF认证	Yes	260/盘 490/盘
	Z32HUA-2		80	512	-	-	51	20	2.4V~5.5V/ -25~+85°C	5	1	1	-	-	-	-	-	-	-	-	-	-	1	1/-	1	1	-	1/8	±4	-	1uA	130uA	20 mA	•	AES/DES/3DES/SM1/SM4/RS4/ECC/SM2/SM3/SHA1/224/256/384/512/SM3	QFN68 QFN32	二级	EAL4+	终端芯片安全评估,个人支付终端安全评估	FIPS 140-2 CAVP 认证	USB IF认证	Yes
Z32HUB	60	320	-	-	16	22	2.7V~5.5V/ -25~+85°C	2	1	-	1	-	-	-	-	-	-	-	-	-	1	1/-	-	1	-	2/1	±4	-	1uA	130uA	500uA /MHz	•	AES/DES/3DES/SM1/SM4/RS4/ECC/SM2/SM3/SHA1/224/256/384/512/SM3	QFN32	二级	EAL4+	-	FIPS 140-2 CAVP 认证	USB IF认证	Yes	490/盘 2500/卷	

注：“•”表示支持，“-”表示不支持

电池电量计量

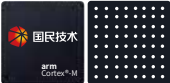
Series	Commerical Product Code	Battery Type	Cells Number	Berttery Capcity (mAh)	Sampling Precision (Typ.)	Voltameter Precision	LED Segment	Communication	Safety Protection	Feature	Supply Voltage (V)	Operating Temperature (°C)	Package
NB401	NB401KBQ6C	Li-ion/Li-poly	4	100~65000	电压±1mV 电流±1mA 温度±2°C	1%(常温) 3%(全温)	0-6	SMBus	OLD SCC SCD1/2	· High side NMOS*2 · 均衡 · 看门狗 · SHA/ECC认证	2.3~26	-40~+85	QFN32 (4mm x 4mm)
NB201	NB201YBF6C	Li-ion/Li-poly	2	100~65000	电压±1mV 电流±1mA 温度±2°C	1%(常温) 3%(全温)	-	SMBus	OLD SCC SCD1/2	· High side NMOS*2 · 均衡 · 看门狗 · SHA/ECC认证	2.3~26	-40~+85	DFN12 (2.5mm x 4mm)

注：“-”表示不支持

PD快充芯片

Series	Commerical Product Code	Core	Frenquency (MHz)	Flash (KB)	Supply Voltage/ Operating Temperature	CCI/CC2	DP/DM	Type-C Port Role	Vol. and Curr. Sense	Integrated Driver	Protections	Interface	PD	Protocol	Package	SPQ(PCS)
NP11	NP11E6Q7	Arm® Cortex®-M0	48	29.5	3V~25V/-40~+85°C	1	1	DRP*1	1*5mΩ	NMOS*1	OVP/UVP/OCPP/SCP/OTP	I2C/FB/OPTO	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC/UFCS	QFN24	490/盘
NP12	NP12E8Q7	Arm® Cortex®-M4	128	64	3V~25V/-40~+85°C	1	1	DRP*1	1*5mΩ	NMOS*1	OVP/UVP/OCPP/SCP/OTP	I2C/FB/OPTO	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC/UFCS	QFN24	490/盘
NP21	NP21H8Q7	Arm® Cortex®-M4	128	64	3V~25V/-40~+85°C	2	2	DRP*2	2*5mΩ	NMOS*2	OVP/UVP/OCPP/SCP/OTP	I2C/FB/OPTO	PD3.1/PPS/QC4.0	QC/FCP/SCP/AFC/UFCS	QFN40	490/盘

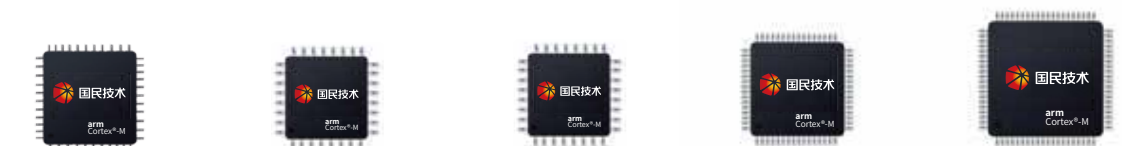
封装尺寸

WLCSP 	SOP8 4.8mm*3.8mm 	DFN8 3mm*3mm/ 3mm*2mm 	DFN12 2.5mm*4mm 	TSSOP20 6.5mm*4.4mm 
UFQFPN20 3mm*3mm 	UQFN20 3mm*3mm 	UQFN48 7mm*7mm 	QFN20 3mm*3mm/ 4mm*4mm 	QFN28 4mm*4mm 
QFN32 4mm*4mm/ 5mm*5mm 	QFN36 6mm*6mm 	QFN40 5mm*5mm 	QFN48 6mm*6mm 	QFN64 8mm*8mm 
QFN88 10mm*10mm 	BGA64 5mm*5mm 	BGA72 4.40mm*3.76mm 	BGA81 4.40mm*3.76mm 	BGA100 8mm*8mm 

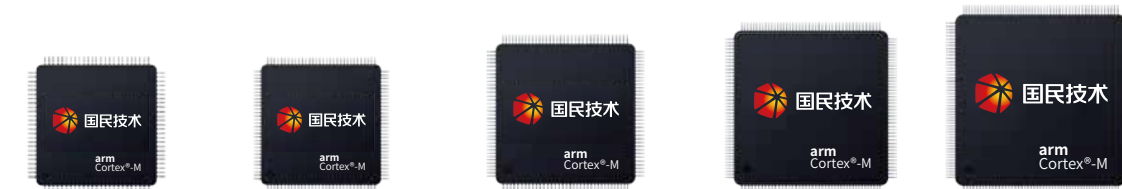
BGA144 7mm*7mm	UFBGA169 7mm*7mm	UFBGA176+25 10mm*10mm	TFBGA240+25 14mm*14mm	LQFP32 7mm*7mm
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LQFP44 10mm*10mm	LQFP48 7mm*7mm	TQFP48 7mm*7mm	LQFP64 7mm*7mm 10mm*10mm 14mm*14mm	LQFP80 12mm*12mm
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LQFP100 14mm*14mm	LQFP128 14mm*14mm	LQFP144 20mm*20mm	LQFP176 24mm*24mm	LQFP208 28mm*28mm
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MCU生态

开发生态

芯片选型 Selection

芯片产品选型手册



应用方案



电机方案



安全方案

存储加密、读写保护、分区保护

技术支持与交流



开发设计与样机调试 Development&Debug

手册文档 应用笔记 移植指南

软件开发工具 图形化配置工具 调试工具

iar KEIL GCC N32Cube NS-LINK J-Link ULink

开发评估板



RTOS支持

OpenHarmony HunterWave OS RTOS Tencent Cloud
Alibaba Cloud RT Thread uC/OS

样片小批量线上线下载



AE+FAE线上线下支持



量产升级 Mass Production

量产烧录工具



HI-LO SYSTEMS CHIRKER

安全差分FOTA



开发板

·最小系统板



·全功能开发板



N32H787XKB7_EVB



N32G457QE_EVB



N32L436MBL7_EVB

·方案开发板

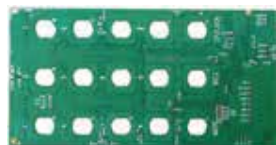


电机驱动开发板(单电阻/双电阻)

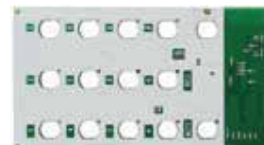
·智能门锁开发板



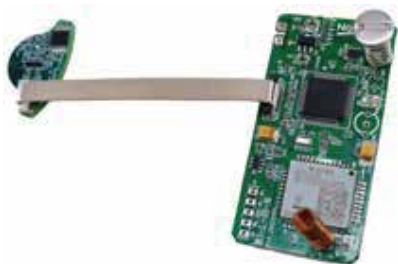
全自动门锁方案



半自动门锁方案



·智能表计开发板



NS-LINK离线烧录器



NS-LINK-Pro