

Rockchip Solutions Spi Nor and SLC Nand Support List

Ver 1.30

2020-12-09

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◆ Revision History

Revision No.	History	Date
1.00	ORG	2016.09.26
1.01	Add RV1108	2016.10.25
1.02	Add RKPX3SE, RK3036, RK3229	2017.03.23
1.03	Add SPI NAND and ONFI NAND devices	2017.03.28
1.04	Add GD9FU1G8F2AMG , GD9FS1G8F2AMG, PN27G01BBGITG and 25Q128JVSQ	2017.05.18
1.05	Add GD25Q127C , GD5F1GQ4UBYIG	2017.07.15
1.06	Add GD25Q512MC , GD5F2GQ4UBxiG , W25N01GV, MX35LF1GE4AB, MX35LF2GE4AB, MT29F1G01ZAC, XT25F128A and IS37SML01G1.	2018.02.28
1.07	Add RK3308.	2018.05.15
1.08	Add W25Q64FW, W25Q256JVFIQ, MX66L1G45GMI-08G, MX25L12833FM2I-10G, PN27G02ABGITG, XT26G02AWSEGA, XT26G01AWSEGA, PN26G01AWSIUG, SCFEC51G20AG21I, IMS1G083ZZF1-WP, IMS1G083ZZF1-WP, HYF4GQ4UAACBE, HYF2GQ4UDACAE, HYF2GQ4UAACAE, HYF2GQ4UHCCE, HYF1GQ4UDACAE, XM25QH128A, XM25QH64A, H7A12G21B1CN, H7A11G21B1CH, H7A6EM26B7CT, H7A5DM26BACT, F50L2G41LBM1AM, F50L1G41LBM1AM, MX66L1G45GMI-08G, MX25L12833FM2I-10G, EN25QH128A.	2018.08.08
1.09	1.Add FS33ND01GS108TF10 , FS33ND01GH308TFC0 , FS33ND02GH208TFC0 , FS35ND01G-S1 , F59L1G81MA , K9F2G08U0F and K9F4G08U0F. 2. NanoC support SLC NAND FLASH. 3. Add RKPX30 and RV1107.	2018.09.25
1.10	1.Add GD25Q512MD, GD25Q256D, FMND2G08U3D-IA, FMND1G08U3D-IA, DS35Q1GA-1B, FS33ND04GS10BTFO, FS35ND02G-S2, IS34ML01G081-TLI. 2.EOL GD25Q512MC, GD25Q256C.	2018.11.01
1.11	1.Add RK2106. 2.Add DS35Q2GA-1B, PN27G04ABGITG, PN27G04BBGITG, AX20NV1G811TA110, AX20NV2G811TA110, EM73C044VCC-H and EM73D044VCE-H.	2018.12.28
1.12	Add RK1808	2019.03.08
1.13	1.Add W29N01HVxiNF, SCN00SA3W1AI8A, SCN01SA1T1AI7A, AFND2G08U3, AFND1G08U3, ATO25D1GA-1, XT25F128BSSIGU PN27G01BBGITG, PSU1GA30BT-G11A, PSU2GA30BT-G11A, PSU1GS20BN, XT26G01BWSEGA, XT26G02BWSIGA, F59L1G81MB	2019.03.28
1.14	1. update GD9FU1G8F2AMG status.	2019.04.26

◆ Revision History

Revision No.	History	Date
1.15	1.Add MX30LF2G18AC-TI, MX30LF1G18AC-TI, MX25L25645GMI-08G, MX25L12833FMI-10G, SCN00SA1T1A16A, FM25S01, PN27G02BBGITG, MX256433F, XT27G01ATSIGA, XT27G02ATSIGA, MX30LF4G28AC-TI, MX35LF2GE4AB-MI, MX35LF1GE4AB-Z4I, HYF1GQ4UPACAE, BW9F1G08U0F, P25Q64H-SUH-IT	2019.06.01
1.16	1.Add EN25QH64A,P25Q32H-SUH-IT,GD5F2GQ5UEYIGR,MX25L6433F,XM25QH256B,XM25QH128B,XM25QH64B, EM73E044SNA-G, EM73E044SNA-G, EM73E044SNA-G, GD9F2G8F2AMG	2019.07.29
1.17	1. EN25S64A, EN25S32A,S34ML01G2, S34ML02G2, XT25F64BSSIGU-5, EN25QH256A, F59L4G81XB, F59L2G81XA, MX30LF4G28AD-TI, FM25Q64A	2019.09.25
1.18	1.ZB25VQ64, ZB25VQ128, TC58CVG0S3HRAIJ, TC58CVG1S3HRAIJ, TC58CVG2S0HRAIJ, BH25Q128AS, BH25Q64BS	2019.12.17
1.19	1.GD25LQ64C, W25Q32JW, XT26G04AWSEGA, EN25QH32B, FS35ND01G-S1Y2, P25Q128H, W25Q64JV 2.Add note for some 32MB SPI NOR devices	2020.04.15
1.20	1. W25Q32JV, MX25L3233FM2I-08G, MX25L6433FM2I-08G, FMND4G08U3C-IA, FS33ND02GS208TFI0, P25Q16H-SUH-IT, FM25Q128A 2. RV1109 and RV1126.	2020.06.15
1.21	1. Add PS34ML04G200TF100, PS34ML04G300TF100, MX30LF4G28AD-TI, MX30LF2G28AD-TI, MX30LF1G28AD-TI, FM25Q128A, FM25M64C-1AIB1R, FM25M4AA-1AIB1R, XT26G02ELGIGA, GD25LQ32E, XT25F32BSOIGU-S, XT25F16BSOIGU, MX35LF4GE4AD-Z4I, MX35LF2GE4AD-Z4I, FS35ND04G-S2Y2, FS35ND02G-S3Y2 2.Remove DS35Q2GB-IB	2020.08.13
1.22	1.FM25S01A-DND-A-G, GD5F1GQ5UEYIG, FM25Q64-SOB-T-G, ZB25LQ128, MX25L51245GZ2I-08G, FM25S02A, FM25Q128A-SOB-T-G	2020.10.15
1.30	1.Add DS35M1GA-IBR, DS25M4AB-1AIB4, MX25U3235F, MX25U6432F, MX25U12832F, MX35UF2GE4AC-Z4I, MX35UF1GE4AC-Z4I, MX30UF1G18AC-TI, MX30UF2G18AC-TI, MX30UF4G18AC-TI, MX25U25645GZ4I-00, MX25U51245GZ4I00, TC58BVG0S3HTA00, GD25B512MEYIG, MT29F4G08ABAEAWP, W29N2KVSIAF, W25N02KVZEIR, W29N04GVSI AA, W25N01GVZEIG, MT29F2G01ABA, P25Q32SH-SSH-IT, W29N01HVSINA, W29N02KVSIAF, XT25F256BSFIGU, XT26G01CWSIGA 2.Not support MX35LF1G24AD, MX35LF2G14AC-Z4I, MX35LF2G24AD, MX35LF4G24AD 3.Remove support for RV1126/RV1109/RK3308 : XT26G02ELGIGA 4.Remove support for RV1108 : W25Q256FV, XM25QH256B, EN25QH256A 5.Add QA 6.Support RK3566, RK3568	2020.12.09

◆ Symbol

Symbol	Description
√	Fully Tested , Applicable and Mass Production
T/A	Fully Tested , Applicable and Ready for Mass Production
S/A	The Samples have Passed the Reliability Test. However, the Platform Compatibility Test was also required before Mass Production.
D/A	Datasheet Applicable,Need Sample to Test.
N/A	Not Applicable

◆ QA

Q1: How to confirm the SPI Nand supported by mtd flash?
A1: Search under uboot source code directory “grep -rn “SPINAND_INFO(“ drivers/mtd/nand/spi”

Q2: How to confirm the SPI Nand supported by mtd flash in the last RK SDK?
Q2: Check spl_uboot_mtd_flash_software_support_list.txt, email to jon.lin@rock-chip.com

Q3: How to confirm the SPI Nor supported by SPL?
A3: Check uboot source code drivers/mtd/spi/spi-nor-ids.c

Q4: How to confirm the SPI Nand supported by rkflash?
A4: Check the “spi_nand_tbl” in drivers/rkflash/sfc_nand.c

Q5: How to confirm the SPI Nor supported by rkflash?
A5: Check the “spi_flash_tbl” in drivers/rkflash/sfc_nor.c

Q6: How does the vendor apply for devices verification?
A6: Email to jon.lin@rock-chips.com with the theme” RK_SpiNor_And_SLC_Nand_Verification_Request”

Q7: How does the customer apply for devices verification?
A7: Apply on redmine.

Rockchip Solutions SpiNor and SLC NAND Support List

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Rockchip Solutions SpiNor and SLC NAND Support List

Manufacturer	Part Number	Device Size (bits)	Byte Size	Voltage	RK2206	RK2108	RK2106	NanoD	NanoC	RV1108 RV1107	RV1109 RV1126	RKPX3 SE	RK3036	RK3308	RKPX3 0	RK3229	RK1808	RK3566 RK3568	Remark	
MXIC	MX66L1G45GMI-08G	1Gbit	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SPI NOR	
MXIC	MX25L25635F	256Mbit	32MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	SPI NOR	
MXIC	MX25L25639F	256Mbit	32MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	SPI NOR	
MXIC	MX25L25645GM2I-08G	256Mbit	32MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
MXIC	MX25L25645GMI-08G	256Mbits	32MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	SPI NOR	
MXIC	MX25L12835F	128Mbit	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	SPI NOR	
MXIC	MX25L12839F	128Mbit	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	SPI NOR	
MXIC	MX25L12850F	128Mbit	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	SPI NOR	
MXIC	MX25L12833FM2I-10G	128Mbit	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
MXIC	MX25L12833FMI-10G	128Mbits	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	SPI NOR	
MXIC	MX256433F	64Mbits	8MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
MXIC	MX25L6433F	64Mbits	8MB	2.65V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	S/A	S/A	SPI NOR	
MXIC	MX25L6433FM2I-08G	64Mbits	8MB	2.7V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	S/A	S/A	SPI NOR	
MXIC	MX25L3233FM2I-08G	32Mbits	4MB	2.7V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
MXIC	MX25L51245GZ2I-08G	512Mbits	64MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
MXIC	MX30LF4G28AD-TI	4Gbits	512MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF4G18AC	4Gbit	512MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF2GE8AB	2Gbit	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF2G18AC	2Gbit	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF2G28AC	2Gbit	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF1G18AC	1Gbit	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF1G28AC	1Gbit	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF2G18AC-TI	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF1G18AC-TI	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF4G28AC-TI	4Gbits	512MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF4G28AD-TI	4Gbits	512MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF2G28AD-TI	2Gbits	256MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30LF1G28AD-TI	1Gbits	128MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30UF1G18AC-TI	1Gbits	128MB	1.7V~1.95V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30UF2G18AC-TI	2Gbits	256MB	1.7V~1.95V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MXIC	MX30UF4G18AC-TI	4Gbits	512MB	1.7V~1.95V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	

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Manufacturer	Part Number	Device Size (bits)	Byte Size	Voltage	RK2206	RK2108	RK2106	NanoD	NanoC	RV1108 RV1107	RV1109 RV1126	RKPX3 SE	RK3036	RK3308	RKPX3 0	RK3229	RK1808	RK3566 RK3568	Remark	
Toshiba	TC58CVG1S3HQAIE	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
Toshiba	TC58CVG0S3HQAIE	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
Toshiba	TC58CVG1S3HRAIJ	2Gbits	256MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
Toshiba	TC58CVG2S0HRAIJ	4Gbits	512MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
Toshiba	TC58CVG0S3HRAIJ	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
Toshiba	TC58NVG1S3HTA00	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
Toshiba	TC58NVG0S3HTA00	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
Toshiba	TC58NVG0S3HBAI4	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	BGA63
Toshiba	TC58NVG0S3HBAI6	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	BGA67
Toshiba	TC58BVG0S3HTA00	1Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	BGA67
MICRON	MT29F4G08ABAEAE	4Gbits	512MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MICRON	MT29F1G08ABAEAE	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
MICRON	MT29F1G01ZAC	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
MICRON	MT29F4G08ABAEAWP	4Gbits	512MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
MICRON	MT29F2G01ABA	2Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	N/A	N/A	N/A	N/A	S/A	SPI NAND	Note*1
AXEME	H7A12G21B1CN	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
AXEME	H7A11G21B1CH	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
AXEME	H7A6EM26B7CT	256Mbit	64MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
AXEME	H7A5DM26BACT	128Mbit	32MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
SAMSUNG	K9F4G08U0F	4Gbits	512MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
SAMSUNG	K9F2G08U0F	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
SAMSUNG	K9F1G08U0F	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	

Note: * 1: This 2 plane devices are not compatible in some cases.

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[illegible]

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Manufacturer	Part Number	Device Size (bits)	Byte Size	Voltage	RK2206	RK2108	RK2106	NanoD	NanoC	RV1108 RV1107	RV1109 RV1126	RKPX3 SE	RK3036	RK3308	RKPX3 0	RK3229	RK1808	RK3566 RK3568	Remark	
HYF	HYF4GQ4UAACBE	4Gbits	512MB	2.9V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
HYF	HYF2GQ4UDACAE	2Gbits	256MB	2.9V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
HYF	HYF2GQ4UAACAE	2Gbits	256MB	2.9V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
HYF	HYF2GQ4UHCCAE	2Gbits	256MB	2.9V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
HYF	HYF1GQ4UDACAE	1Gbits	128MB	2.9V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
HYF	HYF1GQ4UPACAE	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
UINIC	SCFEC51G20AG21I	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
UINIC	SCN00SA3W1AI8A	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
UINIC	SCN01SA1T1AI7A	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
UINIC	SCN00SA1T1A16A	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ESMT	F50L2G41XA	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SPI NAND	Note*2
ESMT	F50L2G41LB	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SPI NAND	
ESMT	F50L1G41LB	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
ESMT	F59L4G81XB	4Gbits	512MB	2.7V~3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ESMT	F59L2G81XA	2Gbits	512MB	2.7V~3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ESMT	F59L2G81A	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ESMT	F59L1G81MA	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ESMT	F59L1G81MB	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ESMT	EN25QH256A	256Mbits	32MB	2.7V~3.6V	S/A	S/A	S/A	S/A	S/A	N/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
ESMT	EN25QH128A	128Mbit	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
ESMT	EN25QH64A	64Mbits	8MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
ESMT	EN25QH32B	32Mbits	4MB	2.7V~3.6V	S/A	S/A	S/A	S/A	S/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SPI NOR	
ESMT	EN25S64A	64Mbits	8MB	1.65V-1.95V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
ESMT	EN25S32A	32Mbits	4MB	1.65V-1.95V	S/A	S/A	S/A	S/A	S/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SPI NOR	
Note: * 1: This 2 plane devices are not compatible in some cases.																				

Rockchip Solutions SpiNor and SLC NAND Support List

Manufacturer	Part Number	Device Size (bits)	Byte Size	Voltage	RK2206	RK2108	RK2106	NanoD	NanoC	RV1108 RV1107	RV1109 RV1126	RKPX3 SE	RK3036	RK3308	RKPX3 0	RK3229	RK1808	RK3566 RK3568	Remark	
FORESEE	FS33ND04GS10BTFIO	4Gbits	512MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
FORESEE	FS33ND02GH208TFC0	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
FORESEE	FS33ND02GS208TFIO	2Gbits	256MB	2.7V~3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
FORESEE	FS33ND01GS108TF10	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
FORESEE	FS33ND01GH308TFC0	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
FORESEE	FS35ND01G-S1Y2	1Gbits	128MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
FORESEE	FS35ND04G-S2Y2	4Gbits	512MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	S/A	S/A	SPI NAND	
FORESEE	FS35ND02G-S3Y2	2Gbits	256MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	S/A	S/A	SPI NAND	
ATO	AFND2G08U3	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ATO	AFND1G08U3	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ATO	ATO25D1GA-1	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
Dosilicon	FM25Q128A	128Mbits	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	S/A	S/A	SPI NOR	
Dosilicon	FM25Q128A	128Mbits	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
Dosilicon	FM25Q64A	64Mbits	8MB	2.7V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
Dosilicon	FM25M4AA-1AIB1R	128Mbits	16MB	1.65V~1.95V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	S/A	S/A	SPI NOR	
Dosilicon	FM25M64C-1AIB1R	64Mbits	8MB	1.65V~1.95V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	S/A	S/A	SPI NOR	
Dosilicon	DS25M4AB-1AIB4	128Mbits	16MB	1.65V-1.95V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	S/A	S/A	SPI NOR	
Dosilicon	FMND4G08U3C-IA	4Gbits	512MB	2.7V~3.6V	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
Dosilicon	FMND2G08U3D-IA	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
Dosilicon	FMND1G08U3D-IA	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
Dosilicon	DS35Q1GA-IB	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
Dosilicon	DS35Q2GA-IB	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	N/A	S/A	S/A	T/A	S/A	N/A	T/A	N/A	SPI NAND	
Dosilicon	DS35M1GA-IBR	1Gbits	128MB	1.65V~1.95V	N/A	N/A	N/A	N/A	N/A	T/A	N/A	S/A	S/A	T/A	S/A	N/A	T/A	N/A	SPI NAND	

Rockchip Solutions SpiNor and SLC NAND Support List

Manufacturer	Part Number	Device Size (bits)	Byte Size	Voltage	RK2206	RK2108	RK2106	NanoD	NanoC	RV1108 RV1107	RV1109 RV1126	RKPX3 SE	RK3036	RK3308	RKPX3 0	RK3229	RK1808	RK3566 RK3568	Remark	
XMC	XM25QH256B	256Mbits	32MB	2.3V~3.6V	S/A	S/A	S/A	S/A	S/A	N/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
XMC	XM25QH128A	128Mbit	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
XMC	XM25QH128B	128Mbits	16MB	2.3V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
XMC	XM25QH64A	64Mbit	8MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
XMC	XM25QH64B	64Mbit	8MB	2.3V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
XMC	XM25QH32C	32Mbits	4MB	2.3V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
ETRON	EM73E044SNA-G	4Gbits	512MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
ETRON	EM73D044VCE-H	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
ETRON	EM73D044VCE-FH	2Gbits	256MB	3.0V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
ETRON	EM73C044VCC-H	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
MIRA	PSU1GA30BT-G11A	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MIRA	PSU2GA30BT-G11A	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
MIRA	PSU1GS20BN	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
HUAHONG	BH25Q128AS	128Mbits	16MB	2.7V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
HUAHONG	BH25Q64BS	64Mbits	8MB	2.7V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
FUDAN	FM25S01	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
FUDAN	FM25S01A	1Gbits	128MB	2.3V~3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
FUDAN	FM25S02A	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
FUDAN	FM25Q64-SOB-T-G	64Mbits	8MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
FUDAN	FM25Q128A-SOB-T-G	128Mbits	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	

Rockchip Solutions SpiNor and SLC NAND Support List

Manufacturer	Part Number	Device Size (bits)	Byte Size	Voltage	RK2206	RK2108	RK2106	NanoD	NanoC	RV1108 RV1107	RV1109 RV1126	RKPX3 SE	RK3036	RK3308	RKPX3 0	RK3229	RK1808	RK3566 RK3568	Remark	
ICMAX	IMS2G083ZZF1-WP	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ICMAX	IMS1G083ZZF1-WP	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
AXIA	AX20NV2G811TA110	2Gbits	256MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
AXIA	AX20NV1G811TA110	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
ATO	AFND1G08U3-CKA	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	S/A	S/A	S/A	N/A	S/A	SLC	
ISSI	IS37SML01G1	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	S/A	S/A	S/A	S/A	T/A	S/A	N/A	T/A	S/A	SPI NAND	
ISSI	IS34ML01G081-TLI	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	S/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
BIWIN	BW9F1G08U0F	1Gbits	128MB	2.7V-3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
PUYA	P25Q128H	128Mbits	16MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	Note*1
PUYA	P25Q64H-SUH-IT	64Mbits	8MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	Note*1
PUYA	P25Q32H-SUH-IT	32Mbits	4MB	2.7V-3.6V	S/A	S/A	S/A	S/A	S/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SPI NOR	Note*1
PUYA	P25Q16H-SUH-IT	16Mbits	2MB	2.3V~3.6V	S/A	S/A	S/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SPI NOR	Note*1
PUYA	P25Q32SH-SSH-IT	32Mbits	4MB	2.3V~3.6V	S/A	S/A	S/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SPI NOR	Note*1
SkyHigh	S34ML02G2	2GBits	256MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
SkyHigh	S34ML01G2	1GBits	128MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
SkyHigh	PS34ML04G200TF100	4Gbits	512MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
SkyHigh	PS34ML04G300TF100	4Gbits	512MB	2.7V~3.6V	N/A	N/A	N/A	N/A	N/A	T/A	S/A	S/A	S/A	T/A	S/A	S/A	N/A	S/A	SLC	
Zbit	ZB25VQ128	128Mbits	16MB	2.7V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
Zbit	ZB25VQ64	64Mbits	8MB	2.7V~3.6V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	
Zbit	ZB25LQ128	128Mbits	16MB	1.65V-2.00V	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	S/A	T/A	S/A	S/A	T/A	S/A	SPI NOR	

Note: * 1: only page prog is supported, only the file system registered with block device partition is supported