

# Rockchip Solutions Nand Flash Support List

Ver 2.73

2018/6/15



## • Revision History

Revision No.	History	Date	Editor
2.61	1. Add RK3168 SupportList. 2. Upgrade nand driver to support 29F32G08CBADA, SDTNPMAHEM–008G and SDTNPMAHEM–016G.	2013.4.15	ZYF
2.62	1.Update some NAND FLASH support status.	2013.7.15	ZYF
2.63	1.Update nand driver(linux-nand-driver_Patch_V2.4),loader version is 2.x. 2.Add 3026 and 3028A SupportList. 3.Add TC58TEG6DDKTA, TH58TEG7DDKTA, TH58TEG8DDKTA, SDTNRGAMA-008G and SDTNRGBMB-016G.	2013.12.15	ZYF
2.64	1.Upgrade nand driver (linux-nand-driver_Patch_V2.5) to support TC58TEG5DCKTA, 29F128G08CBEAB,H27UCG8T2ETR, SDTNRGBMB-016GK and SDTNRFAMA-004GK. 2. Add RK3288 SupportList.	2014.6.15	ZYF
2.65	Add RKRK312x and RK303X SupportList.     Update some NAND FLASH support status.	2014.10.15	ZYF
2.66	Add RKRK3368 SupportList.     Update some NAND FLASH support status.	2015.4.15	ZYF
2.67	1. Upgrade nand driver (linux-nand-driver_Patch_V2.8) to improve data retention for H27UCG8T2ETR.  2. Remove RK306x,RK292x,RK3188,RK302X and RK3168 to support H27UCG8T2ETR and H27UBG8T2DTR.	2015.5.15	ZYF
2.68	1. Upgrade nand driver (linux-nand-driver_Patch_V2.9) to support TC58TEG6DDLTA00, TC58TFG7DDLTA00 and SDTNSGAMA-016GM.	2015.9.15	ZYF
2.69	1. Add RK3228 SupportList.	2015.12.15	ZYF
2.70	1. Upgrade nand driver (linux-nand-driver_Patch_V2.10) to support TC58TEG5DCLTA00 and 29F64G08CBEFB. 2. Add 29F64G08CBABB and 29F32G08CBADB.	2016.03.25	ZYF
2.71	1. Add SDTNSGAMA-008GM.	2016.08.01	ZYF
2.72	1. Add PX5.	2016.08.30	ZYF
2.73	1. Add RK3326 and RKPX30. 2. Add TC58TFG7T23TA0D, TC58TFG8T23TA0D, MT29F64G08CBCGB, MT29F128G08CBCEB and TC58TEG7THLTA00. 3. Add 128MB and 256MB SLC NAND FLASH 4. remove some EOL devices	2018.06.15	ZYF



### Symbol

Symbol	Description
√	Fully Tested , Applicable and Mass Production
T/A	Fully Tested , Applicable and Ready for Mass Production
D/A	Datasheet Applicable, Need Sample to Test.
N/A	Not Applicable

#### ◆ The Latest Flash Driver Version

Acronyms	Chip	Flash Driver Version Or LIB File
A_2.47	RK322X	Mini Boot Loader Ver 2.47 or later. FTL version 5.0.47 or later.
A_2.47	RK3368\PX5	Mini Boot Loader Ver 2.60 or later. FTL version 5.0.47 or later.
A_2.47	RK303X	Mini Boot Loader Ver 2.47 or later. FTL version 5.0.47 or later.
A_2.47	RK312X	Mini Boot Loader Ver 2.47 or later. FTL version 5.0.47 or later.
V_6.0.8	RK3326\RKPX30	FTL version 6.0.8 or later.
A_2.47	RK328x	Mini Boot Loader Ver 2.47 or later. FTL version 5.0.47 or later.

FTL version check cmd: cat /proc/rknand





#### + Guide

EX:How to check whether RK3066 support the flash MT29F64G08CBABA?

First ,search 29F64G08CBABA in this support list.

Manufacturer	Part Number	Byte	Block size	Page size	ECC	mode	Type	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X		RK3368/ PX5	Remark
Manaractarer	r are Namber	Size	(bytes)	(bytes)	bits	(nCE)	Туре	riocess	A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
Micron	29F64G08CBABA	8GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	√	T/A	T/A	√	T/A	

Second, In the RK30xx column, we can see RK30xx support 29F64G08CBABA with flash driver version A 2.31.

Third, search A 2.31 in Flash Driver Table, and we can see linux-nand-driver\_Patch\_V2.5 and Boot loader Ver 2.16 is support this Flash.

**EX:**How to check boot loader version? Run Rockchip batch tool and open the firmware file, the tool will display the boot loader version.





Manufacturer	Part Number	Byte	Block size	Page size	ECC	mode	Type	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X	RK3326 RKPX30	RK3368/ PX5	Remark
Manaracturer	r are reamber	Size	(bytes)	(bytes)	bits	(nCE)	Type	1100033	A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
Micron	29F32G08CBACA	4GB	1M+56K	4K+224	24	1	mlc	25nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Micron	29F64G08CBAAA	8GB	2M+112K	8K+448	24	1	mlc	25nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Micron	29F128G08CFAAA	16GB	2M+112K	8K+448	24	2	mlc	25nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Micron	29F256G08CJAAA	32GB	2M+112K	8K+448	24	2	mlc	25nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Micron	29F16G08CBACA	2GB	1M+564K	4K+224	24	1	mlc	25nm	N/A	D/A	N/A	N/A	N/A	N/A	EOL
Micron	29F32G08CFACA	4GB	1M+56K	4K+224	24	2	mlc	25nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Micron	29F64G08CBABA	8GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	T/A	T/A	D/A	T/A	T/A	
Micron	29F128G08CFABA	16GB	2M+186K	8K+744	40	2	mlc	20nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F256G08CJABA	32GB	2M+186K	8K+744	40	2	mlc	20nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F32G08CBADA	4GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	T/A	T/A	D/A	T/A	D/A	
Micron	29F128G08CBEAB	16GB	4M+584K	16K+1168	40	1	mlc	20nm	D/A	D/A	D/A	D/A	D/A	D/A	FBGA
Micron	29F64G08CBEFB	8GB	6M + 720K	12K + 1440	60	1	mlc	16nm	T/A	T/A	T/A	D/A	T/A	D/A	
Micron	29F64G08CBABB	8GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	√	T/A	D/A	T/A	D/A	
Micron	29F32G08CBADB	4GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	√	T/A	D/A	T/A	D/A	
Micron	29F64G08CBCGB	8GB	8M+1104K	16K+2208	70	1	mlc	3D	N/A	√	<b>√</b>	N/A	T/A	N/A	L04A
Micron	29F128G08CBCCB	16GB	8M+936K	16K+1872	60	1	mlc	16nm	D/A	D/A	D/A	D/A	D/A	D/A	L95B
Micron	29F128G08CBCEB	16GB	8M+1104K	16K+2208	70	1	mlc	3D	N/A	N/A	N/A	N/A	D/A	N/A	L05B
Micron	29F1G08ABAEA	128MB	128KB	2K	16	1	slc		N/A	T/A	T/A	T/A	N/A	N/A	
Micron	29F1G01ZAC	128MB	128KB	2K	16	1	slc		N/A	T/A	T/A	T/A	N/A	N/A	
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Manufacturer	Part Number	Byte	Block size	Page size	ECC	mode	Туре	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X	RK3326 RKPX30	RK3368/ PX5	Remark
Manaracturer	Ture Humber	Size	(bytes)	(bytes)	bits	(nCE)	Type	1100033	A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
Toshiba	TC58TEG5DCJTA	4GB	4M+320K	16K+1280	40	1	mlc	19nm	<b>√</b>	D/A	<b>√</b>	D/A	N/A	D/A	EOL
Toshiba	TC58NVG6DCJTA	8GB	4M+320K	16K+1280	40	1	mlc	19nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Toshiba	TH58NVG7DCJTA	16GB	4M+320K	16K+1280	40	2	mlc	19nm	D/A	D/A	D/A	D/A	N/A	T/A	EOL
Toshiba	TH58NVG8DCJTA	32GB	4M+320K	16K+1280	40	2	mlc	19nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Toshiba	TC58TEG6DCJTA	8GB	4M+320K	16K+1280	40	1	mlc	19nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Toshiba	TH58TEG7DCJTA	16GB	4M+320K	16K+1280	40	2	mlc	19nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Toshiba	TH58TEG8DCJTA	32GB	4M+320K	16K+1280	40	2	mlc	19nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Toshiba	TC58TEG6DDKTA	8GB	4M+320K	16K+1280	40	1	mlc	A19nm	T/A	D/A	T/A	D/A	T/A	T/A	EOL
Toshiba	TH58TEG7DDKTA	16GB	4M+320K	16K+1280	40	2	mlc	A19nm	T/A	D/A	D/A	D/A	T/A	T/A	EOL
Toshiba	TH58TEG8DDKTA	32GB	4M+320K	16K+1280	40	2	mlc	A19nm	D/A	D/A	D/A	D/A	T/A	D/A	EOL
Toshiba	TC58TEG5DCKTA	4GB	4M+320K	16K+1280	40	1	mlc	A19nm	T/A	D/A	T/A	T/A	T/A	T/A	EOL
Toshiba	TC58TEG6DDLTA00	8GB	4M+320K	16K+1280	40	1	mlc	15nm	T/A	T/A	T/A	D/A	T/A	D/A	
Toshiba	TC58TFG7DDLTA0D	16GB	4M+320K	16K+1280	40	1	mlc	15nm	T/A	T/A	T/A	D/A	T/A	D/A	
Toshiba	TC58TFG8DDLTA2D	32GB	4M+320K	16K+1280	40	2	mlc	15nm	D/A	D/A	D/A	D/A	T/A	D/A	
Toshiba	TC58TEG5DCLTA00	4GB	4M+320K	16K+1280	40	1	mlc	15nm	T/A	T/A	T/A	D/A	T/A	D/A	
Toshiba	TC58TFG7T23TA0D	16GB	12M+1464K	16K+1952		1	tlc	3D	N/A	N/A	N/A	N/A	T/A	N/A	
Toshiba	TC58TFG8T23TA0D	32GB	12M+1464K	16K+1952		1	tlc	3D	N/A	N/A	N/A	N/A	T/A	N/A	
Toshiba	TC58TEG7THLTA00	16GB	12M+732K	16K+1952		1	tlc	15nm	N/A	N/A	N/A	N/A	T/A	N/A	
Toshiba	TC58NVG0S3HTA00	128MB	128KB	2K	16	1	slc		N/A	T/A	T/A	T/A	N/A	N/A	
Toshiba	TC58NVG0S3HBAI4	128MB	128KB	2K	16	1	slc		N/A	T/A	T/A	T/A	N/A	N/A	
Toshiba	TC58NVG0S3HBAI6	128MB	128KB	2K	16	1	slc		N/A	T/A	T/A	T/A	N/A	N/A	
Toshiba	TC58NVG1S3HTA00	256MB	128KB	2K	16	1	slc		N/A	T/A	T/A	T/A	N/A	N/A	
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Manufacturer	Part Number	Byte	Block size	Page size	ECC	mode	Туре	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X	RK3326 RKPX30	RK3368/ PX5	Remark
Manaracturer	r are Number	Size	(bytes)	(bytes)	bits	(nCE)	Турс	1100033	A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
Hynix	H27UBG8T2CTR	4GB	2M+160K	8K+640	40	1	mlc	20nm	T/A	D/A	D/A	D/A	N/A	D/A	EOL
Hynix	H27UCG8T2ATR	8GB	2M+160K	8K+640	40	1	mlc	20nm	T/A	D/A	T/A	T/A	N/A	D/A	EOL
Hynix	H27UCG8T2BT(Y)R	8GB	4M+320K	16K+1280	40	1	mlc	20nm	<b>√</b>	D/A	T/A	T/A	N/A	D/A	EOL
Hynix	H27UCG8T2ETR	8GB	4M+416K	16K+1664	40	1	mlc	16nm	<b>√</b>	T/A	√	D/A	T/A	T/A	EOL
Hynix	H27UBG8T2DTR	4GB	2M+208K	8K+832	40	1	mlc	16nm	T/A	T/A	T/A	D/A	T/A	D/A	EOL
Hynix	H27QCG8T2F5R	8GB	4M+416K	16K+1664	40	1	mlc	16nm	T/A	T/A	T/A	D/A	T/A	D/A	



Manufacturer	Part Number	Byte	Block size	Page size	ECC	mode	Туре	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X	RK3326 RKPX30	RK3368/ PX5	Remark
Manaracturer	r are realiser	Size	(bytes)	(bytes)	bits	(nCE)	Турс	1100033	A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
Samsung	K9GBG08U0B	4GB	1M+128K	8K+1K	40	1	mlc	21nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
	K9LCG08U0B	8GB	1M+128K	8K+1K	40	1	mlc	21nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Samsung	K9HDG08U1B	16GB	1M+128K	8K+1K	40	1	mlc	21nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
Samsung	K9F1G08U0F	128MB	128KB	2K	16	1	slc		N/A	T/A	T/A	T/A	N/A	N/A	
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Manufacturer	Part Number	Byte	Block size	Page size	ECC	mode	Туре	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X	RK3326 RKPX30	RK3368/ PX5	Remark
Manaracturer	r are realinger	Size	(bytes)	(bytes)	bits	(nCE)	Турс	1100033	A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
INTEL	29F32G08AAME1	4GB	1M+56K	4K+224	24	1	mlc	25nm	N/A	N/A	N/A	N/A	N/A	N/A	EOL
INTEL	29F64G08AAME1	8GB	2M+112K	8K+448	24	2	mlc	25nm	N/A	N/A	N/A	N/A	N/A	N/A	EOL
INTEL	29F16B08CAME1	16GB	2M+112K	8K+448	24	2	mlc	25nm	N/A	N/A	N/A	N/A	N/A	N/A	EOL
INTEL	29F32B08JAME1	32GB	2M+112K	8K+448	24	4	mlc	25nm	N/A	N/A	N/A	N/A	N/A	N/A	EOL
INTEL	29F64G08ACME3	8GB	2M+112K	8K+448	24	1	mlc	25nm	N/A	N/A	N/A	N/A	N/A	N/A	EOL
INTEL	29F16B08CCME3	16GB	2M+112K	8K+448	24	2	mlc	25nm	N/A	N/A	N/A	N/A	N/A	N/A	EOL
INTEL	29F32B08JCME3	32GB	2M+112K	8K+448	24	4	mlc	25nm	N/A	N/A	N/A	N/A	N/A	N/A	EOL
INTEL	29F64G08ACMF3	8GB	2M+186K	8K+744	40	1	mlc	20nm	D/A	D/A	D/A	D/A	D/A	D/A	
INTEL	29F16B08CCMF3	16GB	2M+186K	8K+744	40	2	mlc	20nm	D/A	D/A	D/A	D/A	D/A	D/A	
INTEL	29F32B08JCMF3	32GB	2M+186K	8K+744	40	4	mlc	20nm	D/A	D/A	D/A	D/A	D/A	D/A	
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Manufacturer	Part Number	Byte	Block size	Page size	ECC	mode	Туре	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X	RK3326 RKPX30	RK3368/ PX5	Remark
Manaracturer	r are reamber	Size	(bytes)	(bytes)	bits	(nCE)	Type	1100033	A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
SanDisk	SDTNQGAMA-008G	8GB	4M+320K	16K+1280	40	1	mlc	19nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
SanDisk	SDTNQGBMB-016G	16GB	4M+320K	16K+1280	40	2	mlc	19nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
SanDisk	SDTNQGCMB-032G	32GB	4M+320K	16K+1280	40	2	mlc	19nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
SanDisk	SDTNQFAMA-004G	4GB	4M+320K	16K+1280	40	1	mlc	19nm	D/A	D/A	D/A	D/A	N/A	D/A	EOL
SanDisk	SDTNRGAMA-008G	8GB	4M+320K	16K+1280	40	2	mlc	A19nm	T/A	T/A	<b>√</b>	D/A	T/A	D/A	
SanDisk	SDTNRGBMB-016G	16GB	4M+320K	16K+1280	40	2	mlc	A19nm	D/A	D/A	D/A	D/A	T/A	D/A	
SanDisk	SDTNRFAMA-004GK	4GB	4M+320K	16K+1280	40	1	mlc	A19nm	T/A	T/A	T/A	T/A	T/A	T/A	
SanDisk	SDTNRGAMA-008GK	8GB	4M+320K	16K+1280	40	1	mlc	A19nm	T/A	T/A	T/A	T/A	T/A	T/A	
	SDTNRGBMB-016GK	16GB	4M+320K	16K+1280	40	2	mlc	A19nm	T/A	T/A	T/A	T/A	T/A	D/A	
SanDisk	SDTNSGAMA-016GM	16GB	4M+320K	16K+1280	40	1	mlc	15nm	T/A	T/A	T/A	D/A	T/A	D/A	
SanDisk	SDTNSGAMA-008GM	8GB	4M+320K	16K+1280	40	1	mlc	15nm	D/A	D/A	T/A	D/A	T/A	D/A	
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Manufacturer	Part Number	Byte	Block size	Page size	ECC	mode	Туре	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X	RK3326 RKPX30	RK3368/ PX5	Remark
araractarer	. a.c.ramizei	Size	(bytes)	(bytes)	bits	(nCE)	. , pc	1100033	A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
Macronix	MX30LF1G18AC	128MB	128KB	2K	16	1	slc		N/A	D/A	D/A	D/A	N/A	N/A	
Macronix	MX30LF2GE8AB	256MB	128KB	2K	16	1	slc		N/A	D/A	D/A	D/A	N/A	N/A	
Macronix	MX30LF4G18AC	512MB	128KB	2K	16	1	slc		N/A	D/A	D/A	D/A	N/A	N/A	
Macronix	MX30LF1G28AC	128MB	128KB	2K	16	1	slc		N/A	D/A	D/A	D/A	N/A	N/A	
Macronix	MX30LF2G18AC	256MB	128KB	2K	16	1	slc		N/A	D/A	D/A	D/A	N/A	N/A	
Macronix	MX30LF2G28AC	256MB	128KB	2K	16	1	slc		N/A	D/A	D/A	D/A	N/A	N/A	
ATO	AFND1G08U3-CKA	128MB	128KB	2K	16	1	slc		N/A	D/A	T/A	D/A	N/A	N/A	
7110	74 TVD TGGGGG CIGA	TEGIVIE	TEORE	ZIX	10	'	310		14/7	2771	.,,,	5/11	14/74	14/74	
XTX	PN27G01BBGITG	128MB	128KB	2K	16	1	slc		N/A	D/A	T/A	D/A	N/A	N/A	
GigaDevice	GD9FU1G8F2AMG	128MB	128KB	2K	16	1	slc		N/A	D/A	T/A	D/A	N/A	N/A	