

Rockchip Solutions Nand Flash Support List

Ver 2.71

2016/8/1

◆ Revision History

Revision No.	History	Date	Editor
2.60	1. Add RK3188 SupportList. 2. Add T/A test status.	2013.2.21	ZYF
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	1. Add RKRK312x and RK303X SupportList. 2. Update some NAND FLASH support status.	2014.10.15	ZYF
2.66	1. Add RKRK3368 SupportList. 2. 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

◆ 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_2.31	RK322X	Mini Boot Loader Ver 2.31 or later.
A_2.53	RK3368	Mini Boot Loader Ver 2.53 or later.
A_2.31	RK303X	Mini Boot Loader Ver 2.31 or later.
A_2.31	RK312X	Mini Boot Loader Ver 2.31 or later.
A_2.31	RK306x\RK292x\RK3188\RK302X\RK3168	linux-nand-driver_Patch_V2.10, Boot loader Ver 2.31 or later.
A_2.31	RK32xx\RK303X\RK312X	Mini Boot Loader Ver 2.31 or later.

◆ Notes

◆ Guide

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

First ,search **29F64G08CBABA** in this support list.

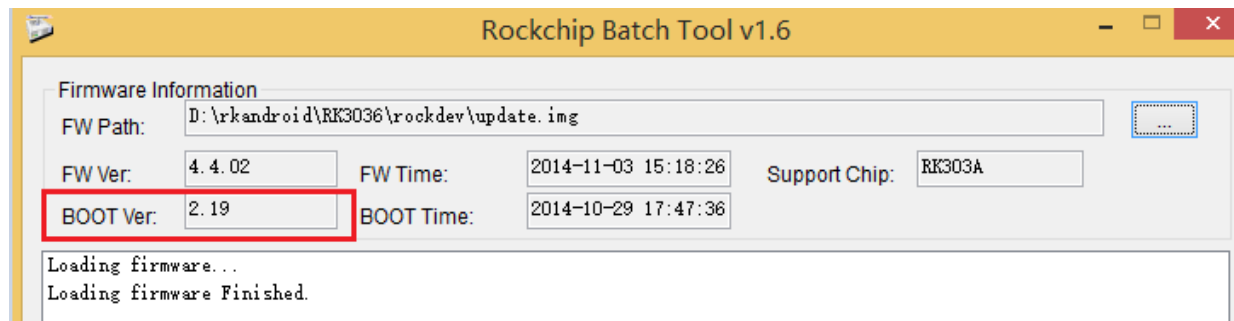
Manufacturer	Part Number	Byte Size	Block size (bytes)	Page size (bytes)	ECC bits	mode (nCE)	Type	Process	RK32xx	RK322X	RK312X	RK303X	rk306x/rk292x rk3188/rk302x	RK3368	Remark
									A_2.31	A_2.31	A_2.31	A_2.31	A_2.31	A_2.53	
Micron	29F64G08CBABA	8GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	√	T/A	T/A	√	T/A	

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 Size	Block size (bytes)	Page size (bytes)	ECC bits	mode (nCE)	Type	Process	RK32xx	RK322X	RK312X	RK303X	rk306x/rk292x rk3188/rk302x	RK3368	Remark
									A_2.31	A_2.31	A_2.31	A_2.31	A_2.31	A_2.53	
Micron	29F32G08MAA	4GB	512K+27K	4K+218	12	1	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F32G08CBAAA	4GB	512K+27K	4K+218	12	1	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F64G08CFAAA	8GB	512K+27K	4K+218	12	2	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F64G08CEAAA	8GB	512K+27K	4K+218	12	2	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F128G08TAA	16GB	512K+27K	4K+218	12	2	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F128G08CKAAA	16GB	512K+27K	4K+218	12	2	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F128G08CJAAA	16GB	512K+27K	4K+218	12	2	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F32G08CBABA	4GB	1M+54K	4K+218	12	1	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F16G08CBABA	2GB	1M+54K	4K+218	12	1	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F128G08CJABA	16GB	1M+54K	4K+218	12	2	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F64G08CFABA	8GB	1M+54K	4K+218	12	2	mlc	34nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F32G08CBACA	4GB	1M+56K	4K+224	24	1	mlc	25nm	D/A	D/A	D/A	D/A	T/A	D/A	
Micron	29F64G08CBAAA	8GB	2M+112K	8K+448	24	1	mlc	25nm	D/A	D/A	D/A	D/A	T/A	D/A	
Micron	29F128G08CFAAA	16GB	2M+112K	8K+448	24	2	mlc	25nm	D/A	D/A	D/A	D/A	T/A	D/A	
Micron	29F256G08CJAAA	32GB	2M+112K	8K+448	24	2	mlc	25nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F16G08CBACA	2GB	1M+564K	4K+224	24	1	mlc	25nm	N/A	D/A	N/A	N/A	N/A	N/A	
Micron	29F32G08CFACA	4GB	1M+56K	4K+224	24	2	mlc	25nm	D/A	D/A	D/A	D/A	D/A	D/A	
Micron	29F64G08CBABA	8GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	T/A	T/A	D/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	D/A	D/A	
Micron	29F64G08CBABB	8GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	T/A	T/A	D/A	D/A	D/A	
Micron	29F32G08CBADB	4GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	T/A	T/A	D/A	D/A	D/A	

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