

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	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
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	RK3226\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`

```
rk3326_mid:/ # cat /proc/rknand
FTL version: 6.0.8 20180615
FLASH ID: 0x14 0x14 0x14 0x14
```

◆ Guide

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

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

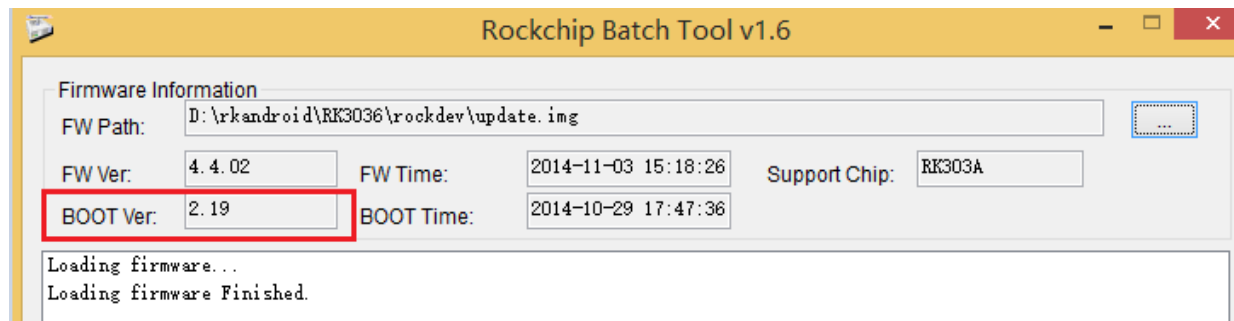
Manufacturer	Part Number	Byte Size	Block size (bytes)	Page size (bytes)	ECC bits	mode (nCE)	Type	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X	RK3226 RK3030	RK3368/ PX5	Remark
									A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
Micron	29F64G08CBABA	8GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	√	T/A	T/A	√	T/A	

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.



[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]