

# Rockchip Solutions Nand Flash Support List

**Ver 2.73**

**2018/6/15**

## ◆ Revision History

Revision No.	History	Date	Editor
<b>2.61</b>	1. Add RK3168 SupportList. 2. Upgrade nand driver to support 29F32G08CBADA , SDTNPMAHEM-008G and SDTNPMAHEM-016G.	2013.4.15	<b>ZYF</b>
<b>2.62</b>	1.Update some NAND FLASH support status.	2013.7.15	<b>ZYF</b>
<b>2.63</b>	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	<b>ZYF</b>
<b>2.64</b>	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	<b>ZYF</b>
<b>2.65</b>	1. Add RKRK312x and RK303X SupportList. 2. Update some NAND FLASH support status.	2014.10.15	<b>ZYF</b>
<b>2.66</b>	1. Add RKRK3368 SupportList. 2. Update some NAND FLASH support status.	2015.4.15	<b>ZYF</b>
<b>2.67</b>	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	<b>ZYF</b>
<b>2.68</b>	1. Upgrade nand driver (linux-nand-driver_Patch_V2.9) to support TC58TEG6DDLTA00, TC58TFG7DDLTA00 and SDTNSGAMA-016GM.	2015.9.15	<b>ZYF</b>
<b>2.69</b>	1. Add RK3228 SupportList.	2015.12.15	<b>ZYF</b>
<b>2.70</b>	1. Upgrade nand driver (linux-nand-driver_Patch_V2.10) to support TC58TEG5DCLTA00 and 29F64G08CBEFB. 2. Add 29F64G08CBABB and 29F32G08CBADB.	2016.03.25	<b>ZYF</b>
<b>2.71</b>	1. Add SDTNSGAMA-008GM.	2016.08.01	<b>ZYF</b>
<b>2.72</b>	1. Add PX5.	2016.08.30	<b>ZYF</b>
<b>2.73</b>	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	<b>ZYF</b>

## ◆ 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`

```
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.

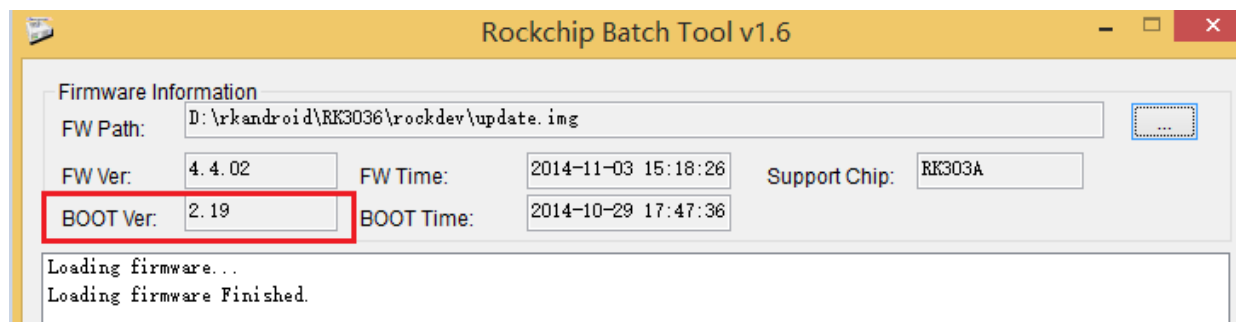
Manufacturer	Part Number	Byte Size	Block size (bytes)	Page size (bytes)	ECC bits	mode (nCE)	Type	Process	RK328x	RK322X	RK312X/ PX3SE	RK303X	RK3326 RK3303	RK3368/ PX5	Remark
									A_2.47	A_2.47	A_2.47	A_2.47	V_6.0.8	A_2.47	
Micron	29F64G08CBABA	8GB	2M+186K	8K+744	40	1	mlc	20nm	T/A	√	T/A	T/A	√	T/A	

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.



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[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]