

Allwinner Technology CO., Ltd.

Allwinner Technology
eMMC/tSD/fSD Support List
V1.0
2015-2-12

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- Note Introduction

Note	Description
D/S	Datasheet Support but no sample test
S/T	Support and sample test
√	Support and mass produce
X	Not support

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- Attention

This support list is based on the specified SD/eMMC driver version which includes sdk version and eMMC patch.

IC	SD/eMMC Version	SDK Version	eMMC_patch
A83T	V1.01	A83-android4.4.4-v0.9rc1	NO
A80T	V1.01	A80-v1.0-onda-rc3	NO
A23	V1.10	A23-Android4.2-V2.0	A23_Android4.2_V2.0_Android4.4_V1.0&V2.0_emmc_patch_20140525
		A23-Android4.4-V1.0	
		A23-Android4.4-V2.0	
A31(S)	V1.60	A31(S)-Android4.4	A31(S)_Android4.4_V4.4&V4.5&V4.6_nand2.0&emmc_patch_20140707.tar.gz
		A31(S)-Android4.2	A31(S)_Android4.2_V3.0&V3.2&V3.3_nand2.0&emmc_patch_20140625.tar.gz
A33	V1.01	A33-Android4.4.2-V1.0	NO
A20	V1.60	A20-Homlet-Android4.2.2-SDK V2.1rc3	NO

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• Support List

Vendor	Capacity (B)	Part Number	eMMC /SD	Cell&Process	Pkg Size (mm)		A23	A31(S)	A33	A80T	A83T	R16	R58	Remark
							V1.10	V1.60	V1.01	V1.01	V1.01	V1.01	V1.01	
Samsung	8G	KLM8G1WE4A-A001	v4.41		12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	KLMAG2WE4A-A001	v4.41		12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	KLM4G1FE3B-B001	v4.41		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	KLM4G1YEMD-B031	v5.0	TLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	KLM8G1WEMB-B031	v5.0	TLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	KLMAG2WEMB-B031	v5.0	TLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	32G	KLMBG4WEBC-B031	v5.0	TLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	KLMAG2GEAC-B031	v5.0	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	KLM8G1GEAC-B031	v5.0	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	KLM4G1FEAC-B031	v5.0	MLC/19nm	11*10-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	32G	KLMBG4GEAC-B031	v5.0	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	32G	KLMBG4GE2A-A001	V4.5	MLC	12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	KLMAG2GEND-B031	v5.0	MLC/16nm	11.5*13-BGA153				S/T	S/T	S/T	S/T	S/T	
	32G	KLMBG4GEND-B031	v5.0	MLC/16nm	11.5*13-BGA153				S/T	S/T	S/T	S/T	S/T	
	8G	KLM8G1WEPD-B031	v5.0	TLC/16nm	11.5*13-BGA153				S/T	S/T	S/T	S/T	S/T	
	16G	KLMAG2WEPD-B031	v5.0	TLC/16nm	11.5*13-BGA153				S/T	S/T	S/T	S/T	S/T	
Sandisk	8G	SDIN7DP2-8G	v4.5		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	SDIN7DU2-16G	v4.41		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	SDIN7DP2-4G	v4.5		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	SDIN8DE1-8G	v4.5	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	SDIN8DE2-8G	v4.5	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	SDIN8DR1-8G	v4.51	TLC/1Ynm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	SDIN8DR1-16G	v4.51	TLC/1Ynm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	SDIN8DE2-4G	v4.51	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	SDIN7DP4-16G	V4.51	MLC	11.5*13-BGA153		D/S	D/S	D/S	D/S	D/S	D/S	D/S	
	16G	SDIN8DE4-16G	v4.51	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	SDIN8DE2-16G	v4.51	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	32G	SDIN8DE4-32G	v4.51	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	SDIN9DW4-16G	v5.0	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	32G	SDIN9DW4-32G	v5.0	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
Micron	4G	3EA28-JW878 (MTFC4GLWAM-WT)	v4.5		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	3CA28-JW879 (MTFC8GLWAM-WT)	v4.5		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	1UA18-JW729 (MTFC4GMTEA-WT)	v4.41		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	2GA28-JW686 (MTFC8GLSEA-IT)	v4.41		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	

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Vendor	Capacity (B)	Part Number	eMMC /SD	Cell&Process	Pkg Size (mm)		A23	A31(S)	A33	A80T	A83T	R16	R58	Remark
							V1.10	V1.60	V1.01	V1.01	V1.01	V1.01	V1.01	
	8G	3ZA28-JWA48 (MTFC8GACAAEA-WT)	v4.51	MLC	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	3ZA28-JWA49 (MTFC4GACAAEA-WT)	v4.51	MLC	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
Toshiba	4G	THGBM5G5A1JBAIR	v4.5	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	THGBM5G6A2JBAIR	v4.5	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	THGBMAG7A2JBAIR	v4.5		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	THGBMAG5A1JBAIR	v4.5	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	THGBMBG7D4KBAIR	v5.0		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	32G	THGBMBG8D4KBAIR	v5.0	MLC/A19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	THGBMBG6D1KBAIL	v5.0	MLC/A19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	THGBMBG7D2KBAIL	v5.0	MLC/A19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
SKhynix	16G	THGBM5G7A2JBAIR	v4.5	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	H26M31003GMR	v4.51	MLC/20nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	H26M42003GMR	v4.51	MLC/20nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	H26M52003EQR	v4.51	MLC/20nm	12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	H26M41103HPR	v5.0	MLC/16nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	H26M52103FMR	v5.0	MLC/16nm	11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4GB	H26M31001HPR	v4.5	MLC/16nm	11.5*13-BGA153		S/T		S/T			S/T		
Kingston	32GB	H26M64103EMR	v5.0	MLC/16nm	11.5*13-BGA153		S/T		S/T	S/T	S/T	S/T	S/T	
	4G	KE44B26BN	v4.41		12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	KE4CV3H5A	v4.41		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	KE4CV4H5A	v4.41		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	8G	KE4CN3K6A	v4.5		12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	4G	KE4CN2H5A	v4.5		11.5*13-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	KE4CN4K6A	v4.5		12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	EMMC16G-V100	v5.0		11.5*13-BGA153		S/T				S/T		S/T	
FORESEE	8G	EMMC08G-V100	v5.0		11.5*13-BGA153		S/T				S/T		S/T	
	8GB	EMMC08G-S100	v5.0		11.5*13-BGA153		S/T							
	4G	NCTSTS86-04G	SD 2.0		12*20-TSOP48		S/T	S/T	S/T	S/T	S/T	S/T	S/T	tSD
	8G	NCTSTS76-08G	SD 2.0		12*20-TSOP48		S/T	S/T	S/T	S/T	S/T	S/T	S/T	tSD
	8G	NCFES76-08G	v4.41		11.5*13.5-BGA153		S/T	X	S/T	S/T	S/T	S/T	S/T	注1
	16G	NCFES76-16G	v4.41		11.5*13.5-BGA153		S/T	X	S/T	S/T	S/T	S/T	S/T	注1
	4G	NCFSES86-04G	SD 2.0		11.5*13.5-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	fSD
	8G	NCFSES76-08G	SD 2.0		11.5*13.5-BGA153		S/T	S/T	S/T	S/T	S/T	S/T	S/T	fSD
	4G	NCFES76-04G	v4.41		11.5*13.5-BGA153		S/T	X	S/T	S/T	S/T	S/T	S/T	注1
	32G	NCFEH58-32G	V4.51		11.5*13.5-BGA153					S/T	S/T		S/T	
	8G	NCFSES78-08G	SD 2.0		11.5*13.5-BGA153		S/T		S/T		S/T	S/T	S/T	
	16G	NCFEH58-16G	V4.51		11.5*13.5-BGA153					S/T	S/T		S/T	
	4G	NCFES88-04G	v4.51		11.5*13.5-BGA153		S/T		S/T		S/T	S/T	S/T	

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Vendor	Capacity (B)	Part Number	eMMC /SD	Cell&Process	Pkg Size (mm)		A23	A31(S)	A33	A80T	A83T	R16	R58	Remark
	8G	NCEFES78-08G	v4.51		11.5*13.5-BGA153		V1.10	V1.60	V1.01	V1.01	V1.01	V1.01	V1.01	
	8G	NCFESA8-08G	SD 2.0		11.5*13.5-BGA153		S/T		S/T		S/T	S/T	S/T	
BIWIN	8G	BWAMGTB11A08G	v4.51		12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	BWAMGTB21A16G	v4.51		12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	fSD
AcSip	8G	NCMMCS08G	v4.5		12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
	16G	NCMMCS16G	v4.5		12*16-BGA169		S/T	S/T	S/T	S/T	S/T	S/T	S/T	
AVEXIR	16G	AVEC016G-FA6	v4.5		11.5*13-BGA153		S/T							
Skymedi	4G	SP18A4G751B-0003	V5.0		11.5*13-BGA153		S/T							
	8G	SP18A8G752B-0003	V5.0		11.5*13-BGA153		S/T							
EUDAR	8GB	EMS1ASCBT1FC008	v4.51		11.5*13-BGA153				S/T			S/T		
	16G	EMS1ASCBT2FC016	v4.51		11.5*13-BGA153				S/T			S/T		

注1: A80支持该 eMMC 要求如下：

- (1) 软件需要额外补丁；
- (2) BOOT_SEL[1:0]配置必须为 2'b01或2'b00；

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- **Declaration**

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