Allwinner Technology CO., Ltd.

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eMMC/tSD/fSD Support List

V1.0

2014-7-21

Allwinner Technology CO., Ltd.

• 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
A80	V1.01	A80-v1.0-onda-rc3	NO
A23	V1.10	A23-Android4.2-V2.0 A23-Android4.4-V1.0 A23-Android4.4-V2.0	A23_Android4.2_V2.0_Android4.4_V1.0&V2.0_emmc&nand_patch_20140611.zip
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

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• **Support List**

Vendor	Capacity (B)	Part Number	eMMC /SD	Cell&Process	Pkg Size (mm)	A20	A23	A31/A31S	A33	A80						Remark
						V1.60	V1.10	V1.60	V1.01	V1.01						
Samsung	8G	KLM8G1WE4A-A001	v4.41		12*16-BGA169		S/T	S/T	S/T	S/T						
	16G	KLMAG2WE4A-A001	v4.41		12*16-BGA169		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						
	4G	KLM4G1YEMD-B031	v5.0	TLC/19nm	11.5*13-BGA153		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						
	16G	KLMAG2WEMB-B031	v5.0	TLC/19nm	11.5*13-BGA153		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						
	16G	KLMAG2GEAC-B031	v5.0	MLC/19nm	11.5*13-BGA153		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						
	4G	KLM4G1FEAC-B031	v5.0	MLC/19nm	11*10-BGA153		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						
	32G	KLMBG4GE2A-A001	V4.5	MLC	12*16-BGA169		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						
	16G	SDIN7DU2-16G	v4.41		11.5*13-BGA153		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						
	8G	SDIN8DE1-8G	v4.5	MLC/19nm	11.5*13-BGA153		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						
	8G	SDIN8DR1-8G	v4.51	TLC/1Ynm	11.5*13-BGA153		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						
	4G	SDIN8DE2-4G	v4.51	MLC/19nm	11.5*13-BGA153		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						
	16G	SDIN8DE4-16G	v4.51	MLC/19nm	11.5*13-BGA153		D/S	D/S	D/S	D/S						
	16G	SDIN8DE2-16G	v4.51	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T						
	32G	SDIN8DE4-32G	v4.51	MLC/19nm	11.5*13-BGA153		D/S	D/S	D/S	D/S						
	16G	SDIN9DW4-16G	v5.0	MLC/19nm	11.5*13-BGA153		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						
Micron	4G	3EA28-JW878 (MTFC4GLWAM-WT)	v4.5		11.5*13-BGA153		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						
	4G	1UA18-JW729 (MTFC4GMTEA-WT)	v4.41		11.5*13-BGA153		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						
	8G	3ZA28-JWA48 (MTFC8GACAAEA-WT)	v4.51	MLC	11.5*13-BGA153		S/T	S/T	S/T	S/T						

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						V1.60	V1.10	V1.60	V1.01	V1.01					
	4G	3ZA28-JWA49 (MTFC4GACAAEA-WT)	v4.51	MLC	11.5*13-BGA153		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					
	8G	THGBM5G6A2JBAIR	v4.5	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T					
	16G	THGBMAG7A2JBAIR	v4.5		11.5*13-BGA153		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					
	16G	THGBMBG7D4KBAIR	v5.0		11.5*13-BGA153		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					
	8G	THGBMBG6D1KBAIL	v5.0	MLC/A19nm	11.5*13-BGA153		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					
	16G	THGBM5G7A2JBAIR	v4.5	MLC/19nm	11.5*13-BGA153		S/T	S/T	S/T	S/T					
SKhynix	4G	H26M31003GMR	v4.51	MLC/20nm	11.5*13-BGA153		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					
	16G	H26M52003EQR	v4.51	MLC/20nm	12*16-BGA169		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					
	16G	H26M52103FMR	v5.0	MLC/16nm	11.5*13-BGA153		S/T	S/T	S/T	S/T					
Kingston	4G	KE44B26BN	v4.41		12*16-BGA169		S/T	S/T	S/T	S/T					
	8G	KE4CV3H5A	v4.41		11.5*13-BGA153		S/T	S/T	S/T	S/T					
	16G	KE4CV4H5A	v4.41		11.5*13-BGA153		S/T	S/T	S/T	S/T					
	8G	KE4CN3K6A	v4.5		12*16-BGA169		S/T	S/T	S/T	S/T					
	4G	KE4CN2H5A	v4.5		11.5*13-BGA153		S/T	S/T	S/T	S/T					
	16G	KE4CN4K6A	v4.5		12*16-BGA169		S/T	S/T	S/T							
	16G	EMMC16G-V100	v5.0		11.5*13-BGA153		S/T								
	8G	EMMC08G-V100	v5.0		11.5*13-BGA153		S/T								
FORESEE	4G	NCTSTS86-04G	SD 2.0		12*20-TSOP48		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					tSD
	8G	NCESES76-08G	v4.41		11.5*13.5-BGA153		S/T	X	S/T	S/T					注1
	16G	NCESES76-16G	v4.41		11.5*13.5-BGA153		S/T	X	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					fSD
	8G	NCFSES76-08G	SD 2.0		11.5*13.5-BGA153		S/T	S/T	S/T	S/T					fSD
	4G	NCEFES76-04G	v4.41		11.5*13.5-BGA153		S/T	X	S/T	S/T					注1
	32G	NCEFEH58-32G	V4.5		11.5*13.5-BGA153		D/S	D/S	D/S	D/S					
	8G	NCFSES78-08G	SD 2.0		11.5*13.5-BGA153		S/T								
	16G	NCEFEH58-16G	V4.5		11.5*13.5-BGA153		D/S	D/S	D/S	D/S					
BIWIN	8G	BWAMGTB11A08G	v4.51		12*16-BGA169		S/T	S/T	S/T	S/T					
	16G	BWAMGTB21A16G	v4.51		12*16-BGA169		S/T	S/T	S/T	S/T					
AcSip	8G	NCMMCS08G	v4.5		12*16-BGA169		S/T	S/T	S/T	S/T					
	16G	NCMMCS16G	v4.5		12*16-BGA169		S/T	S/T	S/T	S/T					
AVEXIR	16G	AVEC016G-FA6	v4.5		11.5*13.5-BGA153		S/T								

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Vendor	Capacity (B)	Part Number	eMMC /SD	Cell&Process	Pkg Size (mm)	A20	A23	A31/A31S	A33	A80						Remark
						V1.60	V1.10	V1.60	V1.01	V1.01						

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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