AMLOGIC Inc.

Qualified Peripheral List

| **Platform** | STB | **Version** | V3.3 | **Date** | 2017/6/2 |

Symbol	Description
√	Sample verified and applicable, need mass production verification
D/A	Datasheet applicable and needs full verification
N/A	Not applicable
Blank	Not verified
MP	Had more than 10K pieces production

Amlogic DDR Qualified Peripheral List for STB　　　　　　　*v2.9*　　　　　　*2017/5/11*

Note1: The support list below is regardless of OS/Kernel version unless otherwise stated.

Note2: (xxx MHz) is the actual frequency verifed on Amlogic platform, which dos not mean the frequency limitation unless otherwise.stated.

Note3: All verifications are done on 4 layer board unless otherwise stated

Manufacturer	Type	Part Number	Features							S802/S812	S805/M805/M806	S905	S912	S905X/D	S905L/M2	Note
			Density	Bus Width	CS per Chip	Speed	Process	Package	Remark							
Hynix	DDR3	H5TQ2G83CFR-H9C	2Gb	x8	x1	1333	3xnm	FBGA78	EOL	D/A	-					
	DDR3	H5TQ2G63BFR-H9C	2Gb	x16	x1	1333	44nm	FBGA96	EOL	√	-					
	DDR3	H5TQ4G63MFR-H9C	4Gb	x16	x1	1333	3xnm	FBGA96	EOL	√	-					
	DDR3	H5TQ4G63MFR-PBC	4Gb	x16	x1	1600	3xnm	FBGA96	EOL	√	-					
	DDR3L	H5TC2G83EFR-PBA	2Gb	x8	x1	1600	29nm	FBGA78	EOL	D/A	√ (1.35V 636MHz)					
	DDR3	H5TQ2G63FFR-H9C	2Gb	x16	x1	1333	29nm	FBGA96		√	D/A					
	DDR3	H5TQ2G63FFR-PBC	2Gb	x16	x1	1600	29nm	FBGA96		√ (792MHz)	√ (1.5V 636MHz)					
	DDR3L	H5TC2G63FFR-PBA	2Gb	x16	x1	1600	29nm	FBGA96		√ (792MHz)	√ (1.5V 636MHz)					
	DDR3	H5TQ4G83AFR-H9C	4Gb	x8	x1	1333	29nm	FBGA78		D/A	D/A					
	DDR3	H5TQ4G83AFR-PBC	4Gb	x8	x1	1600	29nm			D/A	√ (1.5V 636MHz)					
	DDR3L	H5TC4G83AFR-PBA	4Gb	x8	x1	1600	29nm	FBGA78		D/A	√ (1.35V 636MHz)					
	DDR3	H5TQ4G63AFR-PBC	4Gb	x16	x1	1600	29nm	FBGA96		√ (792MHz)	√ (636MHz)					
	DDR3L	H5TC4G63AFR-PBA	4Gb	x16	x1	1600	29nm	FBGA96		D/A	D/A					
	DDR3	H5TQ4G63AFR-TEC	4Gb	x16	x1	2133				√ (792MHz)	D/A					
	DDR3L	H5TC4G63CFR-PBA	4Gb	x16	x1	1600	25nm	FBGA96		√ (1.35V 792MHz)	√ (1.35V 636MHz)					
	DDR3	H5TQ4G63CFR-RDC	4Gb	x16	x1	1866	25nm	FBGA96		D/A	√ (1.5V 636MHz)	√ (1.5V 912MHZ)	√ (1.5V 912MHZ)	√ (1.5V 912MHZ)	√ (1.5V 792MHZ)	
	DDR3	H5TQ2G63GFR-RDC	2Gb	x16	x1	1866	25nm	FBGA96		√	√ (1.5V 792MHz)					
	DDR3	H5TQ4G63EFR-RDC	4Gb	x16	x1	1866	20nm	FBGA96					√ (1.5V 912MHZ)	√ (1.5V 912MHZ)	√ (1.5V 912MHZ)	
	DDR3	H5TC2G63GFR-PBA	2Gb	x16	x1	1600	25nm	FBGA96		√ (1.35V 792MHz)	√ (1.35V 696MHz)					
	DDR4	H5AN4G6NAFR-UHC	4Gb	x16	x1	2400	25nm					√ (1.2V 1104MHz)	√ (1.2V 1008MHZ)	√ (1.2V 912MHZ)		
Micron	DDR3	MT41K256M8DA-125:K	2Gb	x8	x1	1600	30nm	FBGA78		D/A	D/A					
	DDR3L	MT41K128M16JT-125:K	2Gb	x16	x1	1600	30nm	FBGA96		√ (1.35V 792MHz)	√ (1.35V 636MHz)					
	DDR3L	MT41K128M16JT-107:K	2Gb	x16	x1	1866	30nm	FBGA96		√ (1.35V 792MHz)	√ (1.35V 636MHz)					
	DDR3	MT41K512M8RH-125:E	4Gb	x8	x1	1600	30nm	FBGA78		D/A	D/A					
	DDR3L	MT41K256M16HA-125:E	4Gb	x16	x1	1600	30nm	FBGA96		√ (1.35V 792MHz)	√ (1.35V 636MHz)					
	DDR3L	MT41K256M16LY-107:N	4Gb	x16	x1	1866	25nm	FBGA96		√ (1.35V 792MHz)	√ (1.35V 636MHz)	√ (1.5V 912MHz)	√ (1.35V 912MHz)	√ (1.35V 912MHz)	√ (1.35V 912MHz)	
	DDR3	MT41K256M16TW-107:P	4Gb	x16	x1	1866	20nm	FBGA96			√ (1.35V 792MHz)	√ (1.35V 912MHz)	√ (1.35V 912MHz)	√ (1.35V 912MHz)	√ (1.35V 912MHz)	
	DDR4	MT40A512M16JY-083E	8Gb	x16	x1	2400	20nm	FBGA96				√ (1.2V 1104MHz)	√ (1.2V 1008MHz)			
	DDR3	K4B2G1646C-HCH9	2Gb	x16	x1	1333	46nm	FBGA96	EOL	√	-					
	DDR3	K4B4G1646B-HCK0	4Gb	x16	x1	1600	35nm	FBGA96	EOL	√	-					
	DDR3	K4B2G1646Q-BCK0	2Gb	x16	x1	1600	35nm	FBGA96		√ (792MHz)	√ (1.5V 636MHz)					
	DDR3L	K4B4G1646Q-HYK0	4Gb	x16	x1	1600	35nm	FBGA96		√ (672MHz)	√ (516MHz)					

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Manufacturer	Type	Part Number	Features							S802/S812	S805/M805/M806	S905	S912	S905X/D	S905L/M2	Note
			Density	Bus Width	CS per Chip	Speed	Process	Package	Remark							
Samsung	DDR3	K4B4G1646D-BCK0	4Gb	x16	x1	1600	25nm	FBGA96		√ (792MHz)	D/A					
	DDR3L	K4B4G1646D-BYK0	4Gb	x16	x1	1600	25nm	FBGA96		D/A	√ (1.35V 636MHz)					
	DDR3	K4B4G1646D-BCMA	4Gb	x16	x1	1866	25nm	FBGA96				√ (1.5V)				
	DDR3	K4W4G1646D-BC11	4Gb	x16	x1	1866	25nm	FBGA96		√ (1.35V 792MHz)	D/A					
	DDR3L	K4B4G1646E-BYK0	4Gb	x16	x1	1600	20nm	FBGA96		√ (1.35V 792MHz)	√ (1.35V 696MHz)					
	DDR3	K4B4G1646E-BCMA	4Gb	x16	x1	1866	20nm	FBGA96		√ (1.5V 792MHz)	√ (1.5V 696MHz)	√ (1.5V 912MHz)	√ (1.5V 912MHz)	√ (1.5V 912MHz)	√ (1.5V 792MHz)	
	LPDDR3	K4E8E304ED-EGCE	8Gb	x32	x2	1600	25nm	FBGA178		N/A	√ (1.2V 528MHz)					
	DDR3	K4B2G1646F-BYMA	2Gb	x16	x1	1866	25nm	FBGA96		√ (1.5V 792MHz)	√ (1.5V 792MHz)					
	DDR3	K4B4G1646D-BCNB	4Gb	x16	x1	2133		FBGA96						√ (1.5V 912MHz)	√ (1.5V 912MHz)	
	DDR4	K4A4G165WE-BCRC	4Gb	x16	x1	2400	20nm	FBGA96					√ (1.2V 1104MHz)	√ (1.2V 1008MHz)	√ (1.2V 912MHz)	
	DDR4	K4A8G165WB-BCRC	8Gb	x16	x1	2400	20nm	FBGA96					√ (1.2V 1104MHz)	√ (1.2V 1008MHz)		
Nanya	DDR3	NT5CB128M8CN-CG	1Gb	x8	x1	1333	68nm	WBGA78	EOL	D/A	-					
	DDR3	NT5CB128M16IP-EK	2Gb	x16	x1	1866	30nm	FBGA96		√ (1.5V 792MHz)						
	DDR3	NT5CB128M16BP-CG	2Gb	x16	x1	1333	50nm	FBGA96	EOL	√	-					
	DDR3	NT5CB256M8GN-CG	2Gb	x8	x1	1333	42nm	FBGA78	EOL	D/A	-					
	DDR3	NT5CB256M16BP-DI	4Gb	x16	x1	1600	50nm	FBGA96	EOL	√	√ (636MHz)					
	DDR3	NT5CB256M8FN-CG	2Gb	x8	x1	1333	30nm	FBGA78	EOL	D/A	D/A					
	DDR3	NT5CB256M8FN-DI	2Gb	x8	x1	1600	30nm	FBGA78	EOL 3Q'15	D/A	√ (516MHz)					
	DDR3L	NT5CC256M8FN-DI	2Gb	x8	x1	1600	30nm	FBGA78	EOL 3Q'15	D/A	√ (1.35V 516MHz)					
	DDR3	NT5CB128M16FP-DI	2Gb	x16	x1	1600	30nm	FBGA96	EOL 3Q'15	√ (792MHz)	D/A					
	DDR3L	NT5CC128M16FP-DI	2Gb	x16	x1	1600	30nm	FBGA96	EOL 3Q'15	√ (1.35V 792MHz)	D/A					
	DDR3L	NT5CC128M16IP-DI	2Gb	x16	x1	1600	30nm	FBGA96		√ (1.35V 792MHz)	√ (1.35V 636MHz)					
	DDR3	NT5CB128M16IP-EK	2Gb	x16	x1	1866		FBGA96			√ (1.5V 636MHz)					
	DDR3L	NT5CC512M8CN-DI	4Gb	x8	x1	1600	30nm	FBGA78	EOL 3Q'15	D/A	D/A					
	DDR3	NT5CB256M16CP-DI	4Gb	x16	x1	1600	30nm	FBGA96	EOL 3Q'15	√ (792MHz)	D/A					
	DDR3L	NT5CC256M16CP-DI	4Gb	x16	x1	1600	30nm	FBGA96	EOL 3Q'15	D/A	D/A					
	DDR3	NT5CB256M16DP-FL	4Gb	x16	x1	2133	30nm	FBGA96					√ (1.5V 912MHZ)			
	DDR3L	NT5CC256M16DP-DI	4Gb	x16	x1	1600	30nm	FBGA96		√ (1.35V 792MHz)	√ (1.35V 636MHz)					
	DDR3	NT5CB256M16DP-EK	4Gb	x16	x1	1866	30nm	FBGA96		√ (1.5V 792MHz)	√ (1.5V 696MHZ)	√ (1.5V 912MHZ)	√ (1.5V 912MHZ)	√ (1.5V 912MHZ)	√ (1.5V 792 MHZ)	

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Manufacturer	Type	Part Number	Features							S802/S812	S805/M805/M806	S905	S912	S905X/D	S905L/M2	Note
			Density	Bus Width	CS per Chip	Speed	Process	Package	Remark							
	DDR3	NT5CB256M16EP-FL	4Gb	x16	x1	2133	20nm	FBGA96						√ (1.35V 912MHZ)	√ (1.35V 912MHZ)	
	DDR3	NT5CC256M16EP-EK	4Gb	x16	x1	1866	20nm	FBGA96						√ (1.5V 912MHZ)	√ (1.5V 912MHZ)	
Spectek	DDR3	PRM256M16V80AG8GPF-15E (PEB16-15E)	4Gb	x16	x1	1333		FBGA96		√ (792MHz)						
	DDR3	PRN256M8V80AG8RHF-15E (PE947-15E)	2Gb	x8	x1	1333		FBGA78		D/A						
Mira/Mezza	DDR3	Z3P2GF3CKF-GDJ	2Gb	x8	x1	1333	40nm	FBGA78		D/A						
	DDR3	Z3P4GF4BLFA521LK-GGN	4Gb	x16	x1	1600	30nm	FBGA96			√ (1.5V 696MHz)					
	DDR3L	P3P4GF4BLF-GGN	4Gb	x16	x1	1600		FBGA96		√ (672MHz*)	√ (1.35V 636MHz)					* maximum limitation
	DDR3	P3P4GF4BLF-GJS	4Gb	x16	x1	1866	30nm	FBGA95					√ (1.5V 912MHz)	√ (1.5V 912MHz)	√ (1.5V 912MHz)	
	DDR3	P3P4GF3BLF-GGN	4Gb	x8	x1					D/A	D/A					
SCS	DDR3	HXB15H4G160BF-15H	4Gb	x16	x1	1333		FBGA96	EOL	D/A	-					
	DDR3	HXB15H2G160CF-13K	2Gb	x16	x1	1600	30nm	FBGA96		D/A	√ (1.5V 636MHz)					
	DDR3	HXB15H4G160BF-13K	4Gb	x16	x1	1600		FBGA96		D/A						
	DDR3	HXB15H4G160AF-13K	4Gb	x16	x1	1600					√ (1.5V 636MHz)					
	DDR3	HXB15H4G160CF-13k	4Gb	x16	x1	1600	38nm				√ (1.5V 792MHZ)					
	DDR3	HXB13H4G160AF-13KT	4Gb	x16	x1	1600	30nm	FBGA96		√ (1.35V 792MHz)					√ (1.35V 792MHz)	
	DDR3L	HXB13H4G160BF(L)-13K	4Gb	x16	x1	1600		FBGA96		D/A						
GT	DDR3	GT8UB128M8DN-BG	1Gb	x8	x1	1333	42nm	FBGA78B		D/A	D/A					
	DDR3	GT8UB256M8BN-BG	2Gb	x8	x1	1333	42nm	FBGA78B		D/A						
	DDR3	GT8UB128M16BP-BG	2Gb	x16	x1	1333	42nm	FBGA96B	EOL	√	-					
	DDR3	GT8UB128M16BP-BH	2Gb	X16	x1	1600	42nm	FBGA96B	EOL	√	-					
	DDR3	GT8UB256M8EN-BH	2Gb	x8	x1	1600	30nm	FBGA78B		D/A						
	DDR3	GT8UB512M8EN-BG	4Gb	x8	x1	1333	30nm	FBGA78B		D/A						
	DDR3	GT8UB256M16BP-BG	4Gb	x16	x1	1333	30nm	FBGA96B		√	√ (516MHz)					
	DDR3	GT8UB256M16BP-BH	4Gb	x16	x1	1600	30nm	FBGA96B		√	√ (516MHz)					
ADATA	DDR3	3CCD-1211A	2Gb	x8	x1	1600				D/A	D/A					
	DDR3L	DWND-1211A	4Gb	x8	x1	1600				D/A	D/A					
	DDR3L	D2ND-1211AEL	4Gb	x16	x1	1600				√ (1.5V, 792MHz)	√ (1.5V 636MHz)					
Zentel	DDR3	A3T4GF40ABF-GM	4Gb	x16	x1	1600	38nm			D/A	√ (1.35V 636MHz)					
Kingston	DDR3L	D5128EETBPGGBU	4Gb	x8	x1	1600		FBGA78		D/A	√ (1.35V 636MHz)					
	DDR3	D2516JC4BXGJD	4Gb	x16	x1	1866	30nm	FBGA96				√ (1.5V 912MHz)	√ (1.5V 912MHz)	√ (1.5V 912MHz)	√ (1.5V 912MHz)	
	DDR3L	D2516EC4BXGGB	4Gb	x16	x1	1600		FBGA96		√ (672MHz*)	√ (1.35V 636MHz)				√ (1.5V 792MHz)	* maximum limitation
	DDR3	EM6GD08EWUC-12H	2Gb	x8	x1	1600	30nm	FBGA78		D/A	√ (1.5V 636MHz)					

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			Density	Bus Width	CS per Chip	Speed	Process	Package	Remark							
Etron	DDR3	EM6GD16EWXC-12H	2Gb	x16	x1	1600	30nm			D/A	√ (1.5V 636MHz)					
	DDR3	EM6GE16EWXD-12H	4GB	x16	x1	1600	30nm	FBGA96							√ (1.5V 792MHz)	
	DDR3	EM6GE16EWXC-12H	4Gb	x16	x1	1600	30nm	FBGA96		D/A	√ (1.5V 636MHz)					
Axeme	DDR3	H2A402G1666AFBC	2Gb	x16	x1	1600		FBGA96		D/A	√ (1.5V 636MHz)					
	DDR3	H2A404G1666AFFC	4Gb	x16	x1	1600		FBGA96		D/A	√ (1.5V 636MHz)					
	DDR3	H2A404G1666AGFC	4Gb	x16	x1	1866	30nm	FBGA96					√ (1.5V 912MHZ)	√ (1.5V 912MHZ)	√ (1.5V 912MHZ)	
	DDR3	H2A404G1666EFCC	4Gb	x16	x1	1600		FBGA96		D/A	√ (1.5V 636MHz)					
ESMT	DDR3	M15F2G16128A-BDBG2F	2Gb	x16	x1	1600	30nm	FBGA96		D/A	√ (1.5V 636MHz)					
GEIL	DDR3	IGL1L128M168BA15H+KT	2Gb	x16	x1					√	D/A					
Innoways	DDR3	IN5CB256M8BN-CG	2Gb	x8	x1					D/A						
Winbond	DDR3	W632GG6KB-12	2Gb	x16	x1	1333		FBGA96		N/A						autoreboot fail only.can be solved on board with PMU.
Elpida	DDR3	EDJ2116DEBG-DJ-F	2Gb	x16	x1	1333	-	FBGA96	EOL	√	-					
	DDR3	EDJ2108BDBG-DJ-F	2Gb	x8	x1	1333	-	FBGA78	EOL	D/A	-					
	DDR3L	EDJ2116EEBG-DJ-F	2Gb	x16	x1	1333	40nm	FBGA96		√	D/A					
	DDR3	EDJ4216EFBG-GN-F	4Gb	x16	x1	1600	30nm	FBGA96		D/A	D/A					
	LPDDR3	EDF8164A3MA-GD-F	8Gb	x64		1600	25nm	FBGA178		D/A	D/A					
	LPDDR3	EDF8164A1MA-GD-F	8Gb	x64		1600	30nm	FBGA178		D/A	D/A					

History		
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			Density	Bus Width	CS per Chip	Speed	Process	Package	Remark								
2017/5/11	V2.9		Add H5AN4G6NAFR-UHC, K4A4G165WE-BCRC on S905L														
2017/4/5	V2.8		Add K4A4G165WE-BCRC，K4A8G165WB-BCRC, MT40A512M16JY-083E H5AN4G6NAFR-UHC, NT5CC256M16EP-EK and NT5CB256M16EP-FL on S905X，add NT5CC256M16EP-EK and NT5CB256M16EP-FL on S905L														
2017/2/16	V2.7		Remove D2516JC4BXGGB from S905L, add D2516EC4BXGGB, K4B4G1646D-BCNB and EM6GE16EWXD-12H on S905L, add K4B4G1646D-BCNB on S905X														
2017/1/4	V2.6		Add HXB13H4G160AF-13KT on S802, D2516JC4BXGGB on S905L, K4A4G165WE-BCRC on S912														
2016/11/2	V2.5		Add H5AN4G6NAFR-UHC on S912														
2016/10/13	V2.4		Add H5TQ4G63EFR-RDC, H2A404G1666AGFC on S905X, S905L/M and S912, add K4A8G165WB-BCRC, MT40A512M16JY-083E on S912														
2016/9/1	V2.3		Add D2516JC4BXGJD on S905X and S912, add HXB13H4G160AF-13KT on S905L, add P3P4GF4BLF-GJS on S905L, S905X and S912														
2016/8/8	V2.2		Add MT41K256M16TW-107:P,MT41K256M16LY-107:N on S912, S905X and S905L, add D2516JC4BXGJD on S905L														
2016/7/6	V2.1		Add D2516JC4BXGJD on S905, K4B4G1646E-BCMA,H5TQ4G63CFR-RDC-1866 on S912, S905L/M2, S905X.														
2016/5/6	V2.0		Add K4B2G1646F-BYMA on S805, S812														
2016/4/26	V1.11		Add NT5CB256M16DP-EK on S905X/L														
2016/3/3	v1.10		Add MT41K256M16TW-107:P on S805, S905, add H5TQ2G63GFR-RDC on S802, add M805/M806 information														
2016/1/6	v1.9		Add K4B4G1646E-BCMA on S812, H5TC2G63GFR-PBA on S802 and S805, H5TQ2G63GFR-RDC on S805														
2015/12/4	v1.8		Add Z3P4GF4BLFA521LK-GGN on S805, NT5CB128M16IP-EK and MT41K128M16JT-107:K on S802, K4B4G1646E-BYK0 on S812														
2015/11/20	V1.7		Add H5TQ4G63CFR-RDC,NT5CB256M16DP-EK on S905, NT5CB256M16DP-EK, HXB15H4G160CF-13k on S805														
2015/9/29	v1.6		Add K4B4G1646E-BCMA,MT41K256M16LY-107:N on S905, NT5CC256M16DP-DI on S802/S812, K4B4G1646E-BYK0, NT5CB128M16IP-EK on S805														
2015/8/12	v1.51		Fix missing NT5CC256M16DP-DI														
2015/7/31	v1.5		Add HXB15H4G160AF-13K														
2015/6/30	v1.4		Add MT41K128M16JT-107:K,														
2015/6/8	v1.3		Add S905 temporary support info, MT41K256M16LY-107, NT5CB256M16DP-FL, NT5CB256M16DP-EK														
2015/5/20	v1.2		Add K4B4G1646E-BCMA, NT5CC128M16IP-DI, NT5CB256M16DP-EK														
2015/1/19	v1.1		Add EM6GD16EWXC-12H, HXB15H2G160CF-13K, MT41K256M16LY-107:N, H5TQ4G63CFR-RDC, H5TC4G63CFR-PBA, H2A404G1666AFFC, H2A402G1666AFBC, H2A404G1666EFCC, M15F2G16128A-BDBG2F														
2014/12/19	v1.0		Add K4E8E304ED-EGCE														
2014/12/5	v0.9		Add EM6GE16EWXC-12H, P3P4GF4BLF-GGN, D2516EC4BXGGB, NT5CC256M16DP-DI, A3T4GF40ABF-GM														
2014/9/18	v0.8		Add H5TC4G83AFR-PBA, PRN256M8V80AG8RHF-15E, NT5CC256M8FN-DI, H5TC2G83EFR-PBA, D5128EETBPGGBU, H5TQ4G83AFR-PBC, EM6GD08EWUC-12H														
2014/8/7	v0.7		Add K4W4G1646D-BC11														
2014/7/18	v0.6		Add D2ND-1211AEL, NT5CB256M16CP-DI, K4B4G1646D-BYK0														
2014/6/13	v0.5		Add D2516EC4BXGGB, NT5CB128M16FP-DI，MT41K256M16HA-125:E, NT5CC128M16FP-DI, H5TQ2G63FFR-PBC, K4B2G1646Q-BCK0, S805 support list														
2014/5/4	v0.4		Add EDJ4216EFBG-GN-F, HXB15H4G160BF-13K, HXB13H4G160BF(L)-13K, K4B4G1646Q-HYK0, H5TC4G63AFR-PBA, NT5CC256M16CP-DI, H5TC2G63FFR-PBA, H5TQ4G63AFR-TEC, PRM256M16V80AG8GPF-15E														
2014/3/17	v0.3		Initial version release														

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Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Flash Type	Part Number	Features						S812	S805/M805/M806	S905	S905L/M2	S912/S905X/S905D	Note
			Density	Boot Size	Spec. Version	Process	Package	Remark						
Toshiba	MLC	THGBM4G4D1HBAIR	2GB	V1.6	eMMC4.41	24nm	2015/8/27	EOL	√	-				
	MLC	THGBM4G5D1HBAIR	4GB	1MB	eMMC4.41	24nm	FBGA153	EOL	√	-				
	MLC	THGBM4G6D2HBAIR	8GB	2MB	eMMC4.41	24nm	FBGA153	EOL	√	√				
	MLC	THGBM5G5A1JBAIR	4GB	2MB	eMMC4.41	19nm	FBGA153	EOL	√	√				
	MLC	THGBM5G6A2JBAIR	8GB	4MB	eMMC4.41	19nm	FBGA153	EOL	√	√				
	MLC	THGBM5G7A2JBAIR	16GB	4MB	eMMC4.41	19nm	FBGA153	EOL	√	√				
	MLC	THGBM5G8A4JBAIR	32GB	4MB	eMMC4.41	19nm	FBGA153	EOL	√	√				
	MLC	THGBMAG5A1JBAIR	4GB	2MB	eMMC4.5	19nm	FBGA153	EOL	√	√				
	MLC	THGBMAG6A2JBAIR	8GB	4MB	eMMC4.5	19nm	FBGA153	EOL	√	√				
	MLC	THGBMAG7A2JBAIR	16GB	4MB	eMMC4.5	19nm	FBGA153	EOL	√	√				
	MLC	THGBMBG5D1KBAIT	4GB	2MB	eMMC5.0	A19nm	FBGA153		√	√				
	MLC	THGBMBG5D1KBAIL	4GB	2MB	eMMC5.0	A19nm	FBGA153		√	√	√			
	MLC	THGBMBG6D1KBAIL	8GB	4MB	eMMC5.0	A19nm	FBGA153		√	√				
	MLC	THGBMBG7D2KBAIL	16GB	4MB	eMMC5.0	A19nm	FBGA153		√	√				
	MLC	THGBMBG8D4KBAIR	32GB	4MB	eMMC5.0	A19nm	FBGA153		√	√				
	MLC	THGBMBG9D8KBAIG	64GB	4MB	eMMC5.0	A19nm	FBGA153		√	√				
	MLC	THGBMFG6C1LBAIL	8GB	4MB	eMMC5.1	15nm	FBGA153		√	√	√	√	√	
	MLC	THGBMFG7C1LBAIL	16GB	4MB	eMMC5.1	15nm	FBGA153		√	√	√			
	MLC	THGBMFG8C2LBAIL	32GB	4MB	eMMC5.1	15nm	FBGA153		√	√	√			
	MLC	THGBMDG5D1LBAIL	4GB	4MB	eMMC5.1	15nm	FBGA153				√	√		
	MLC	THGBMFG9C4LBAIR	64GB	4MB	eMMC5.1	15nm	FBGA153		√	√				
	MLC	THGBMBG5D1KBAIL	4GB	4MB	eMMC5.0	A19nm	FBGA153				√			
	MLC	THGBMHG7C1LBAIL	16GB	4MB	eMMC5.1	15nm	FBGA153						√	
	MLC	THGBMHG6C1LBAIL	8GB	4MB	eMMC5.1	15nm	FBGA153				√	√	√	
Hynix	MLC	H26M42003GMR	8GB	4MB	eMMC4.41	F20	FBGA153	EOL	√	√				
	MLC	H26M52003EQR	16GB	4MB	eMMC4.41	F20	FBGA169	EOL	√	√				
	MLC	H26M41001HPR	8GB	4MB	eMMC4.5	F16	FBGA169		√	√				
	MLC	H26M52001FMR	16GB	4MB	eMMC4.5	F16	FBGA169		√	√				
	MLC	H26M31001HPR	4GB	4MB	eMMC4.5	F16	FBGA153		√	√	√	√		
	MLC	H26M41103HPR	8GB	4MB	eMMC5.0	F16	FBGA153		√	√	√			
	MLC	H26M52103FMR	16GB	4MB	eMMC5.0	F16	FBGA153		√	√	√			
	MLC	H26M41204HPR	8GB	4MB	eMMC5.0	F16	FBGA153					√	√	
	MLC	H26M41103HPRL	8GB	4MB	eMMC5.0	F16	FBGA153	lower TBW than H26M41103HPR		√				
	TLC	KLM8G4WE4A	8GB	2MB	eMMC4.41	21nm	FBGA169	EOL	√	-				
	TLC	KLMAG2WE4A-A001	16GB	2MB	eMMC4.41	21nm	FBGA169	EOL	√	-				
	TLC	KLMBG4WE4A-A001	32GB	2MB	eMMC4.41	21nm	FBGA169	EOL	√	-				
	TLC	KLM8G1WE4A-A001	8GB	2MB	eMMC4.41	21nm	FBGA169	EOL	√	-				
	TLC	KLM4G1YE4C-B001	4GB	2MB	eMMC4.41	21nm	FBGA153	EOL	√	-				
	MLC	KLM8G1GEAC-B001	8GB	4MB	eMMC4.41	19nm	FBGA153	Q2 EOL	√	√				
	MLC	KLMBG4GEAC-B001	32GB	4MB	eMMC4.41	19nm	FBGA153	Q2 EOL	√	√				

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Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Flash Type	Part Number	Features						S812	S805/M805/M806	S905	S905L/M2	S912/S905X/S905D	Note
			Density	Boot Size	Spec. Version	Process	Package	Remark						
Samsung	TLC	KLM4G1YEMD-B031	4GB	4MB	eMMC5.0	19nm	FBGA153	Q2 EOL	√	√				
	TLC	KLM8G1WEMB-B031	8GB	4MB	eMMC5.0	19nm	FBGA153	Q2 EOL	√	√	√			
	TLC	KLMAG2WEMB-B031	16GB	4MB	eMMC5.0	19nm	FBGA153	Q2 EOL	√	√				
	TLC	KLMBG4WEBC-B031	32GB	4MB	eMMC5.0	19nm	FBGA153	Q2 EOL	√	√				
	MLC	KLM4G1FEAC-B031	4GB	4MB	eMMC5.0	19nm	FBGA153	Q2 EOL	√	√				
	MLC	KLMAG2GEAC-B031	16GB	4MB	eMMC5.0	19nm	FBGA153	Q2 EOL	√	√				
	TLC	KLM8G1WEPD-B031	8GB		eMMC5.0	16nm	FBGA153		√	√	√	√	√	
	TLC	KLMAG2WEPD-B031	16GB		eMMC5.0	16nm	FBGA153		√	√				
	MLC	KLMAG2GEND-B031	16GB		eMMC5.0	16nm	FBGA153		√	√				
	MLC	KLM4G1FEPD-B031	4GB		eMMC5.0	16nm	FBGA153		√	√	√	√		
	MLC	KLM8G1GEND-B031	8GB	4MB	eMMC5.0	16nm	FBGA153		√	√	√			
	MLC	KLMBG4GEND-B031	32GB		eMMC5.0	16nm	FBGA153		√	√	√			
	TLC	KLMBG4WEBD-B031	32GB	4MB	eMMC5.0	16nm	FBGA153							
	MLC	KLM8G1GEME-B041	8GB	4MB	eMMC5.1	14nm	FBGA153		√	√	√	√	√	
	MLC	KLMAG1JENB-B041	16GB		eMMC5.1	14nm	FBGA153			√	√		√	
	TLC	KLM8G1GENS-B041	8GB		eMMC5.1	14nm	FBGA153					√		
	MLC	KLMBG2JENB-B041	32GB	4MB	eMMC5.1	14nm	FBGA153						√	
	MLC	KLMBG2JETD	32GB		eMMC5.1	14nm	FBGA153						√	
	MLC	KLMAG1JETD-B041	16GB		eMMC5.1	14nm	FBGA153						√	
	TLC	KLMAG2WEPD-B031	16GB	4MB	eMMC5.0	16nm	FBGA153				√			
Micron	MLC	MTFC8GLWAM-WT	8GB	2MB	eMMC4.41	20nm	FBGA153	EOL	√	-				
	MLC	MTFC4GLWAM-WT	4GB	1MB	eMMC4.41	20nm	FBGA153	EOL	√	-				
	MLC	MTFC4GACAAEA-WT	4GB	1MB	eMMC4.5	20nm	FBGA153		√	√				
	MLC	MTFC8GACAAEA-WT	8GB	2MB	eMMC4.5	20nm	FBGA153		√	√				
	MLC	MTFC4GMCDM-1M WT	4GB	2MB	eMMC4.5	25nm	FBGA153		√	√				
	MLC	MTFC8GLCDM-1M WT	8GB	2MB	eMMC4.5	25nm	FBGA153		√	√				
	MLC	MTFC4GACAAAM-1M WT	4GB	2MB	eMMC4.5	20nm	FBGA153		√	√				
	MLC	MTFC8GACAAAM-1M WT	8GB	2MB	eMMC4.5	20nm	FBGA153		√	√				
	MLC	MTFC8GAKAJCN-1M WT	8GB		eMMC5.0	20nm	FBGA153				√	√		
Sandisk	MLC	SDIN7DP2-04G	4GB	2MB	eMMC4.5	19nm	FBGA153		√	√				Note 1: It may fail to boot due to a Sandisk flash power-on timing requirement. Please contact Sales for Chip Errata document for more info.
	MLC	SDIN7DP2-08G	8GB	2MB	eMMC4.5	19nm	FBGA153		√	√				
	MLC	SDIN7DP4-16G	16GB		eMMC4.5	19nm	FBGA153		√ Note 1	√ Note 1				
	MLC	SDIN7DU2-16G	16GB	4MB	eMMC4.5	19nm	FBGA153	EOL	√	√				
	MLC	SDIN8DE1-8G	8GB		eMMC4.5 HS200	19nm			√ Note 1	√ Note 1				
	MLC	SDIN8DE2-16G	16GB		eMMC4.5 HS200	19nm			√ Note 1	√ Note 1				
	TLC	SDIN8DR1-8G	8GB			1ynm			√	√				
	TLC	SDIN8DR1-16G	16GB			1ynm			√	√				
	TLC	SDIN9DS2-8G	8GB	4MB	eMMC5.0	1ynm	FBGA153			√	√			
	TLC	SDIN9DS2-16G	16GB	4MB	eMMC5.1	1ynm	FBGA153			√				

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Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Flash Type	Part Number	Features						S812	S805/M805/M806	S905	S905L/M2	S912/S905X/S905D	Note
			Density	Boot Size	Spec. Version	Process	Package	Remark						
	MLC	SDINBDG4-8G	8GB		eMMC5.1	1znm	FBGA153						√	
	TLC	SDINADF4-16G-H	16GB	4MB	eMMC5.0	1ynm	FBGA153				√			
BIWIN		BWCMB-08G	8GB	2MB	eMMC4.41		FBGA169		√	√				
		BWCMB-16G	16GB	2MB	eMMC4.41		FBGA169		√	√				
		BWCMB-04G	4GB	2MB	eMMC4.41		FBGA169		√	√				
	MLC	BWAMAIA11C04G	4GB		eMMC4.5		FBGA153		√	√		√		
	MLC	BWAMGIA11C08G	8GB		eMMC4.5		FBGA153		√	√				
	MLC	BWAMGTB11A08G	8GB	4MB	eMMC4.5		FBGA169		√					
	TLC	BWCTGSC11G16G	16GB		eMMC5.0		FBGA169					√		
	TLC	BWATGSC11C08G	8GB	4MB	eMMC5.0	16nm	FBGA153					√		
	TLC	BWBTA-08G	8GB				FBGA153	eSD	√	√				
Foresee	MLC	NCEMBS41-04G	4GB	2MB	eMMC4.41		FBGA169	EOL	√	√				
	TLC	NCEFES88-04G	4GB	2MB	eMMC4.5		FBGA153		√	√				
	MLC	NCEFEH58-08G	8GB		eMMC4.5		FGBA153		√	√				
	TLC	NCEFES78-08G	8GB	2MB	eMMC4.5		FBGA153		√	√				
	TLC	NCEFBS98-16G	16GB	2MB	eMMC4.5	19nm	FBGA169		√	√				
	MLC	NCEMBD39-16GB	16GB	4MB	eMMC5.0	20nm	FBGA169				√			
	TLC	NCEMAD6B-16G	16GB		eMMC5.0		FBGA153					√		
	TLC	NCEMASD9-08G	8GB		eMMC5.0		FBGA153					√		
	TLC	NCEMAD7B-08G	8GB		eMMC5.0		FBGA153						√	
ADATA		AE1DF04GAK-000MAA	4GB	2MB	eMMC4.41		FBGA169		√	√				
		AE1DG08GAK-000MAA	8GB	2MB	eMMC4.41		FBGA169		√	√				
Kingston		KE4CN2H5A	4GB	2MB	eMMC4.41		FBGA153		√	√				
		KE4CV3H5A	8GB	2MB	eMMC4.41		FBGA153		√	√				
		KE4CV4H5A	16GB	2MB	eMMC4.41		FBGA153		√	√				
		KE4CN3K6A	8GB	2MB	eMMC4.5		FBGA153		√	√				
		KE4CN4K6A	16GB	2MB	eMMC4.5		FBGA153		√	√				
	MLC	EMMC04G-S100	4GB		eMMC4.5	A19nm	FBGA153		√	√				
	MLC	EMMC08G-S100	8GB		eMMC4.5, HS200	A19nm	FBGA153		√	√				
	MLC	EMMC16G-S100	16GB		eMMC4.5, HS200	A19nm	FBGA153		√	√				
	TLC	EMMC08G-V100	8GB		eMMC4.5	A19nm	FBGA153		√	√				
	MLC	EMMC16G-M525	16GB		eMMC5.1	19nm	FBGA153			√			√	
	TLC	EMMC16G-V100	16GB		eMMC4.5	A19nm	FBGA153		√	√				
	MLC	EMMC08G-M325	8GB		eMMC5.0		FBGA153				√	√	√	
	TLC	EMMC08G-T227	8GB		eMMC5.0		FBGA153				√	√		
	MLC	EMMC08G-M728	8GB		eMMC5.0		FBGA153						√	
	MLC	EMMC04G-M627	4GB		eMMC5.1	15nm	FBGA153				√	√		
AcSip		NCMMCS08G	8GB	4MB	eMMC4.5		FBGA169		√	√				
		NCMMCS16G	16GB	2MB	eMMC4.5		FBGA169		√	√				
Avexir	TLC	AVEC008G-FA6	8GB		eMMC4.5		FBGA153		√	√				

Amlogic eMMC Qualified Peripheral List for STB　　　　　　*v3.2*　　　　*2017/6/2*

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Flash Type	Part Number	Features						S812	S805/M805/M806	S905	S905L/M2	S912/S905X/S905D	Note
			Density	Boot Size	Spec. Version	Process	Package	Remark						
	TLC	AVEC016G-FA6	16GB		eMMC4.5		FBGA153		√	√				
Eudar	TLC	EMS1ASCBT1FC008	8GB		eMMC4.5		FBGA153		√	√				
	TLC	EMS1ASCBT2FC016	16GB		eMMC4.5		FBGA153		√	√				
Fdi	MLC	MC1M08M1L0AA	8GB		eMMC4.5	20nm	FBGA153		√	√				
Skymedi	MLC	SP18A4G751B-0003	4GB		eMMC5.0	20nm	FBGA153		√	√				
	MLC	SP18A8G861B-0003	8GB		eMMC5.0	F16nm	FBGA153		√	√				
SP		SP004GBEM21AOV10	4GB	2MB	eMMC4.41		FBGA169		√	√				
RAMAXEL	MLC	REMKDM104GSBB	4GB		eMMC5.0	16nm	FBGA153			√				
	TLC	REMPBT808GSBB	8GB		eMMC5.0		FBGA153					√		
SIS	MLC	MC008000AA	8GB		eMMC5.0		FBGA153					√		
	MLC	MC004000AA	4GB		eMMC5.0		FBGA153					√		
EssenCore	MLC	I3E-8GTH7CMRE	8GB		eMMC5.1		FBGA153					√		

History		
Date	Revision	Description
2017/6/2	V3.2	Add KLMAG1JETD, SDINBDG4-8G on S905X.
2017/5/11	V3.1	Add EMMC8G-M728, KLM8G2JETD,KLMBG2JENB on S905X
2017/4/5	V3.0	Add KLM8G1GENS-B041, REMPBT808GSBB,BWAMAIA11C04G and MC004000AA on S905L, add MTFC8GAKAJCN-1M WT on S905
2017/2/16	V2.9	Add I3E-8GTH7CMRE on S905L
2017/1/4	V2.8	Add EMMC16G-M525 on S912, S905X, add EMMC08G-M325 on S912
2016/12/7	V2.7	Add KLMAG1JENB-B041 on S905, add EMMC08G-T227, NCEMAD6B-16G, NCEMASD9-08G and MTFC8GAKAJCN-1M WT on S905L.
2016/11/2	V2.6	Add BWCTGSC11G16G, THGBMFG6C1LBAIL and H26M41204HPR on S905L/M2, add KLMAG1JENB-B041 on S912
2016/10/13	V2.5	Add KLMAG1JENB-B041 on S805, EMMC08G-T227 on S905, H26M41204HPR, EMMC08G-M325 on S905X, THGBMFG6C1LBAIL,NCEMAD7B-08G and H26M41204HPR on S912
2016/9/1	V2.4	Add EMMC08G-M325 on S905 and S905L, add KLMAG1JENB-B041 on S905X, add THGBMHG7C1LBAIL on S905X and S912, add MC008000AA on S905L, add KLM4G1FEPD-B031 on S905L, add THGBMHG6C1LBAIL on S912, add KLM8G1GEME-B041 on S912, add KLM8G1WEPD-B031 on S912, add NCEMAD7B-08G on S905X, add THGBMFG6C1LBAIL on S905X
2016/8/8	v2.3	Add KLM8G1GEME-B041 on S805, S905L and S912, add THGBMHG6C1LBAIL on S905X, add EMMC04G-M627 and H26M31001HPR on S905L
2016/7/21	V2.2.1	Separate S905L/M2 and S905X information
2016/7/6	v2.2	Add EMMC16G-M525 on S812, KLM8G1GEME-B041 on S905X, THGBMHG6C1LBAIL and THGBMDG5D1LBAIL on S905L/M2
2016/6/3	v2.1	Add H26M31001HPR, THGBMHG6C1LBAIL and EMMC04G-M627 on S905
2016/5/6	v2.0	Add THGBMDG5D1LBAIL, BWATGSC11C08G and SDINADF4-16G-H on S905
2016/4/26	V1.13	Add KLM8G1WEPD-B031 on S905X/L/M2.
2016/4/11	V1.12	Add EMMC16G-M525 on S805, THGBMFG8C2LBAIL on S905
2016/3/3	v1.11	Add THGBMFG7C1LBAIL, NCEMBD39-16GB,KLM8G1GEME-B041,H26M52103FMR and KLMAG2WEPD-B031 on S905, add M805/M806 information
2016/1/6	v1.10	Add THGBMBG5D1KBAIL,KLM8G1WEPD-B031,KLM8G1GEND-B031, SDIN9DS2 and H26M41103HPR on S905, KLMBG4WEBD-B031 on S805
2015/12/4	v1.9	Add SDIN9DS2-8G, REMKDM104GSBB and SDIN9DS2-16G on S805, add THGBMFG6C1LBAIL and KLM4G1FEPD-B031 on S905
2015/11/20	v1.8	Add H26M41103HPRL on S805, split S802 and S812, add THGBMFG6C1LBAIL, THGBMFG7C1LBAIL, THGBMFG8C2LBAIL information on S802
2015/9/29	v1.7	Add THGBMBG5D1KBAIL, KLM4G1FEPD-B031, KLM8G1GEND-B031 on S905
2015/7/30	v1.6	Add KLMBG4GEND-B031, THGBMFG9C4LBAIR, THGBMFG8C2LBAIL
2015/6/30	v1.5	Add NCEFBS98-16G, THGBMFG6C1LBAIL, THGBMFG7C1LBAIL
2015/6/8	v1.4	Add S905 temporary support info

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Flash Type	Part Number	Features						S812	S805/M805/M806	S905	S905L/M2	S912/S905X/S905D	Note
			Density	Boot Size	Spec. Version	Process	Package	Remark						
2015/5/20	v1.3		Add KLM4G1FEPD-B031, THGBMBG5D1KBAIL, THGBMBG9D8KBAIG, THGBMBG8D4KBAIR											
2015/4/2	v1.2		Add support KLM8G1GEND-B031, SP18A8G861B-0003											
2014/12/19	v1.1		Add support EMMC16G-S100, EMMC16G-V100											
2014/11/26	v1.0		Add support BWBTA-08G, SP18A4G751B-0003, EMMC04G-S100, EMMC08G-S100, EMMC08G-V100											
2014/11/11	v0.9		Add notes for certain Sandisk eMMC whch may cause boot failure											
2014/8/28	v0.8		Add support H26M31001HPR, H26M41103HPR，NCFSESA8-08G，NCEFEH58-08G, MC1M08M1L0AA, KLMAG2WEPD-B031, KLM8G1WEPD-B031, KLMAG2GEND-B031											
2014/8/7	v0.7		Add support MTFC4GMCDM-1M WT, KLMAG2GEAC-B031, SDIN7DP4-16G, BWAMAIA11C04G, BWAMGIA11C08G, BWAMGTB11A08G, AVEC008G-FA6, AVEC016G-FA6,											
2014/7/24	v0.6		Add support SDIN8DE2-16G, SDIN8DE1-8G, MTFC8GLCDM-1M WT, THGBMBG6D1KBAIL, THGBMBG5D1KBAIT											
2014/6/13	v0.5		Add S805 support list											
2014/5/4	v0.4		Add KLM4G1FEAC-B031, H26M41103HPR, H26M52103FMR											
2014/3/17	v0.3		Initial version release											

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Type	Part Number	Features						S812	S805/M805/M806	S905L	S905	Note
			Density	CE	ECC	Process	Package	Remark					
Hynix	SLC	H27U1G8F2CTR-BC	128MB		8bit/512B		TSOP48		√	√			
Micron	SLC	MT29F1G08ABAEAWPE	128M	1	8bit/512B		TSOP48		√	√			
Toshiba	SLC	TC58BVG0S3HBAI6	128MB				BGA67		√	D/A			
	SLC	TC58BVG1S3HBAI6	256MB				BGA67		√	D/A			
Samsung	SLC	K9F4G08U0D	512MB	1	8bit/512B	42nm	TSOP48		√	√			
SPANSION	SLC	S34ML01G100TF100	128MB		8bit/512B		TSOP48		√	√			
	SLC	S34ML01G200TFI000	128MB		8bit/512B		TSOP48		√	√			
	SLC	S34ML01G200TF100	128MB	1	8bit/512B	32nm	TSOP48		√	√			
ESMT	SLC	F59D4G81A	512MB				TSOP48		√	√			
Hynix	MLC	H27UBG8T2A	4GB	1	24bit /1024B	32nm	TSOP48	EOL	√	-			Note 1: Recommendation: 1) Read-retry, which should disable multi-plane mode; 2) Randomizer, which should enable ran_mode; 3) En-SLC, Still not support with MX romboot
	MLC	H27UAG8T2B	2GB	1	24bit /1024B	26nm	TSOP48	EOL	√	-			
	MLC	H27UAG8T2A	2GB	1	24bit /1024B	41nm	TSOP48	EOL	√	-			
	MLC	H27UBG8T2B	4GB	1	24bit/1024B	26nm	TSOP48	Note 1, EOL	√	-			
	MLC	H27UCG8T2M	8GB	1	24bit/1024B	26nm	VLGA	Note 1, 2,EOL	√	-			
	MLC	H27UBG8T2C	4GB	1	40bit/1024B	20nm	TSOP48	Note 1	√	√			
	MLC	H27UCG8T2A	8GB	1	40bit/1024B	20nm	TSOP48	Note 1	√	√			
	MLC	H27UCG8T2BYR	8GB	1	40bit/1024Byte	20nm	TSOP48	Note 1	√	√			
	MLC	H27UCG8T2BTR	8GB	1	40bit/1024B	20nm	TSOP48	Note 1	N/A	N/A			
	MLC	H27UBG8T2DTR	4GB	1	50bit /1024B	16nm	TSOP48	Patch-PD105252	√	√			
	MLC	H27UCG8T2ETR	8GB	1	MXx:40bit/1024B M80x:50bit/1024B	16nm	TSOP48	Note 1	√	√		√	
Micron	MLC	MT29F32G08CBABA	4GB	1	12bit/540B	34nm	TSOP48	EOL	√	-			Note 1: Recommendation: Read-retry, which should disable multi-plane mode;
	MLC	MT29F32G08MAA	4GB	1	12bit/540B	34nm	TSOP48	EOL	√	-			
	MLC	MT29F128G08[T/U]AA	16GB	1	12bit/540B	34nm	TSOP48	EOL	√	-			
	MLC	MT29F256G08MAAA	32GB	2	24bit /1024B	34nm	TSOP48	EOL	√	-			
	MLC	MT29F32G08CBACA	4GB	1	24bit/1080B	25nm	TSOP48		√	√			
	MLC	MT29F64G08CBAAA	8GB	1	24bit /1024B	25nm	TSOP48	EOL	√	-			
	MLC	MT29F128G08C[E/F]AAA	16GB	2	24bit /1024B	25nm	TSOP48	EOL	√	-			
	MLC	MT29F32G08CBADB	4GB	1	40bit/1024B	20nm	TSOP48	Note 1	√	√		√	
	MLC	MT29F32G08CBADA	4GB	1	40bit/1024B	20nm	TSOP48	Note 1	√	√		√	
	MLC	MT29F64G08CBABB	8GB	1	40bit/1024B	20nm	TSOP48	Note 1	√	√	√		
	MLC	MT29F64G08CBABA	8GB	1	40bit/1024B	20nm	TSOP48	Note 1	√	√	√		
	MLC	MT29F128G08CFABA	16GB	2	40bit/1024B	20nm	TSOP48	Note 1	√	√			
	MLC	TC58NVG4D2ETA00	2GB	1	24bit /1024B	43nm	TSOP48	EOL	√	-			
	MLC	TH58NVG5D2ETA20	4GB	2	24bit /1024B	43nm	TSOP48	EOL	√	-			
	MLC	TC58NVG5D2FTA00	4GB	1	24bit /1024B	32nm	TSOP48	EOL	√	-			

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Type	Part Number	Features						S812	S805/M805/M806	S905L	S905	Note
			Density	CE	ECC	Process	Package	Remark					
Toshiba	MLC	TH58NVG7D2FTA20	8GB	2	24bit /1024B	32nm	TSOP48	EOL	√	-			Note 1: Recommendation: 1) Read-retry, which should disable multi-plane mode; 2) Randomizer, which should enable ran_mode
	MLC	TC58NVG6D2FTA00	8GB	1	24bit /1024B	32nm	TSOP48	EOL	√	-			
	MLC	TC58NVG5D2HTA00	4GB	1	40bit/1024B	24nm	TSOP48	Note 1, EOL	√	-			
	MLC	TC58NVG6D2GTA00	8GB	1	40bit /1024B	24nm	TSOP48	Note 1, EOL	√	√			
	MLC	TC58NVG6DCJTA00	8GB	1	40bit /1024B	19nm	TSOP48	Note 1, EOL	√	√			
	MLC	TH58NVG7DCJTA20	16GB	2	40bit /1024B	19nm	TSOP48	Note 1, EOL	√	√			
	MLC	TC58TEG5DCJTA00	4GB	1	40bit /1024B	19nm	TSOP48	Note 1, EOL		√			
	MLC	TC58TEG6DCJTA00	8GB	1	40bit /1024B	19nm	TSOP48	Note 1, EOL		√			
	MLC	TC58TEG5DCKTA00	4GB	1	40bit /1024B	A19nm	TSOP48	Note 1	√	√		√	
	MLC	TC58TEG6DDKTA00	8GB	1	40bit /1024B	A19nm	TSOP48	Note 1	√	√			
	MLC	TC58TEG6DDLTA00	8GB	1	40bit /1024B	15nm	TSOP48	Patch-PD105255	√	√		√	
	MLC	TC58TEG7DDLTA00	16GB	1	40bit /1024B	15nm	TSOP48	Patch-PD105255	√	√			
	MLC	TH58TEG7DDKTA20	16GB	2	40bit /1024B	A19nm	TSOP48	Note 1	√	√			
Samsung	MLC	K9GAG08U0E	2GB	1	24bit/(1K+545.5)B	32nm	TSOP48		√	√			Note 1: Recommendation: 1) Read-retry, which should disable multi-plane mode; 2) Randomizer, which should enable ran_mode NO Purchasing
	MLC	K9GAG08X0D	2GB	1	24bit /1024B	32nm	TSOP48		√	√			
	MLC	K9GAG08U0F	2GB	1	24bit /1024B	27nm	TSOP48		√	√			
	MLC	K9GBG08U0A	4GB	1	24bit /1024B	27nm	TSOP48		√	√			
	MLC	K9LBG08U0E	4GB	1	24bit /1024B	32nm	TSOP48		√	√			
	MLC	K9HCG08U0E	8GB	1	24bit /1024B	32nm	TSOP48		√	√			
	MLC	K9LCG08U0A	8GB	1	24bit /1024B	27nm	TSOP48		√	√			
	MLC	K9HDG08U1A	16GB	2	24bit /1024B	27nm	TSOP48		√	√			
	MLC	K9GBG08U0B	4GB	1	40bit /(1K+128)B	21nm	TSOP48	Note 1	√	√			
	MLC	K9LCG08U0B	8GB	1	40bit /(1K+128)B	21nm	TSOP48	Note 1	√	√			
Sandisk	MLC	SDTNQFAMA-004G	4GB	1	40bit /1024B	19nm	TSOP48	Note 1, EOL	√	√			Note 1: Recommendation: 1) Read-retry, which should disable multi-plane mode; 2) Randomizer, which should enable ran_mode
	MLC	SDTNQGAMA-008G	8GB	1	40bit /1024B	19nm	TSOP48	Note 1, EOL	√	√			
	MLC	SDTNQGBMB-016G	16GB	2	40bit /1024B	19nm	TSOP48	Note 1, EOL	√	√			
	MLC	SDTNRFAMA-004GK	4GB	1	40bit /1024B	1ynm	TSOP48	Note 1	√	√			
	MLC	SDTNRGAMA-008G	8GB	1	40bit /1024B	1ynm	TSOP48	Note 1	√	√			
	MLC	SDTNRGAMA-008GK	8GB	1	40bit /1024B	1ynm	TSOP48	Note 1	√	√			
	MLC	SDTNRGBMB-016GK	16GB	2	40bit /1024B	1ynm	TSOP48	Note 1	√	√			
	MLC	SDTNSGAMA-016G	16GB	2	60bit/1024	1znm	TSOP48	Note 1, 2	√	√			
Intel	MLC	JS29F64GO8ACMF1	8GB			20nm			N/A	N/A			
	MLC	JS29F16BO8CCMF1	16GB			20nm			N/A	N/A			
BIWIN	MLC	BW29F12808CFABA	16GB	2	40bit/1024B		TSOP48	Note 1	√	√			
	MLC	BW29F64G08CBABA	8GB	1	40bit/1024B	20nm	TSOP48	Note 1	√	√			

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Type	Part Number	Features						S812	S805/M805/M806	S905L	S905	Note
			Density	CE	ECC	Process	Package	Remark					
	MLC	SDTNRGAMA-008GK	8GB	1	40bit /1024B	1ynm	TSOP48	Note 1	√	√			
AEPIC	MLC	AP29F32G08CBACAWP	4GB	1	24bit/1080B	25nm	TSOP48		√	√			
	MLC	AP27UCG8T2ATR	8GB	1	40bit /1024B	20nm	TSOP48	Note 1	√	√			
	Note 1: Recommendation: Read-retry, which should disable multi-plane mode;												
Dilong	MLC	DL29F64G08CBABA	8GB	1	40bit/1024B	20nm	TSOP48	Note 1	√	√			
	MLC	DL29F128G08CFABA	16GB	2	40bit/1024B	20nm	TSOP48	Note 1	√	√			

History		
Date	Revision	Description
2017/1/4	V1.8	Add MT29F32G08CBADBWPR:D on S905L
2016/8/8	V1.7	Add MT29F64G08CBABA on S905L, add MT29F64G08CBABB and MT29F32G08CBADB information.
2016/4/11	v1.6	Add H27UCG8T2ETR on S905
2016/3/3	v1.5	Add SDTNSGAMA-016G, SDTNRGAMA-008GK on S802 and S805, add M805/M806 information
2016/1/6	v.1.4	Add MT29F32G08CBADA on S905
2015/12/4	v1.3	Add TC58TEG5DCKTA00, TC58TEG6DDLTA00 on S905
2015/9/29	v1.2	Add TC58BVG0S3HBAI6, TC58BVG1S3HBAI6
2015/6/30	v1.1	Add H27UBG8T2DTR, TC58TEG6DDLTA00, TC58TEG7DDLTA00
2015/6/8	v1.0	Add S905 temporary support info
2015/4/2	v0.9	Add S34ML01G100TF100, S34ML01G200TFI000, H27U1G8F2CTR-BC, F59D4G81A
2015/1/19	v0.8	Add H27UCG8T2ETR
2014/10/30	v0.7	Remove support H27UCG8T2BTR
2014/8/19	v0.6	Add H27UBG8T2DTR
2014/6/13	v0.5	Add SDTNRFAMA-004GK, S805 support list
2014/5/4	v0.4	Add SDTNRGAMA-008GK, SDTNRGBMB-016GK
2014/3/17	v0.3	Initial version release

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AmIogic WiFi/BT/GPS/NFC Qualified Peripheral List for STB   v2.6   2017/4/5

Note: The listed support list applies to all Amlogic STB SoCs unless otherwise stated.

Manufacturer	Type	Part Number	Features								Android Platform			Note
			WiFi	T/R	BT	GPS	NFC	Interface	Package	Remark	6.0	5.1	4.4	
Broadcom	IC	BCM43362	802.11b/g/n	1T1R	/	/	/	SDIO2.0		AP6181		√	√	
	IC	BCM43362+20710	802.11b/g/n	1T1R	BT4.0	/	/	SDIO2.0		AP6210			√	
	IC	BCM20710	/	/	BT4.0	/	/	UART		AP6210B			√	
	IC	BCM43438	802.11b/g/n	1T1R	BT4.1	/	/	SDIO2.0		AP6212	√	√	√	
	IC	BCM43340	802.11a/b/g/n	1T1R	BT4.0	/	/	SDIO2.0		AP6234			√	
	IC	BCM43241	802.11a/b/g/n	2T2R	BT4.0	/	/	SDIO3.0		AP62X2			√	
	IC	BCM4330	802.11a/b/g/n	1T1R	BT4.0	/	/	SDIO2.0		AP6330		√	√	
	IC	BCM4339	802.11ac/a/b/g/n	1T1R	BT4.0	/	/	SDIO3.0		AP6335	√	√	√	
	IC	BCM4354	802.11ac/a/b/g/n	2T2R	BT4.1	/	/	SDIO3.0		AP6354		√	√	
	IC	BCM4356	802.11ac/a/b/g/n	2T2R	BT4.1	/	/	SDIO3.0		AP6356S(A)	√	√	√	
	IC	BCM43341	802.11a/b/g/n	1T1R	BT4.0	/	Y	SDIO2.0		AP6441			√	
	IC	BCM43455	802.11ac/a/b/g/n	1T1R	BT4.2	/	/	SDIO3.0		AP6255	√			
Qualcomm	IC	AR1021G	802.11b/g/n	2T2R	/	/	/	USB					D/A	
	IC	AR1021X	802.11a/b/g/n	2T2R	/	/	/	USB					D/A	
	IC	QCA6174A	802.11ac/a/b/g/n	2T2R	BT4.0	/	/	SDIO3.0			√		√	
	IC	QCA6006X	802.11a/b/g/n	1T1R	/	/	/	USB					D/A	
	IC	QCA9377(1023)	802.11ac/a/b/g/n	1T1R	BT4.2	/	/	SDIO3.0			√			
South Silicon Valley	IC	SSV6051P	802.11b/g/n	1T1R	/	/	/	SDIO2.0			√	√	√	
MTK	IC	MT7601	802.11b/g/n	1T1R	/	/	/	USB					√	
Realtek	IC	RTL8188ETV	802.11b/g/n	1T1R	/	/	/	USB					√	
	IC	RTL8188EUS	802.11b/g/n	1T1R	/	/	/	USB					√	
	IC	RTL8188FTV	802.11b/g/n	1T1R	/	/	/	USB				√		
	IC	RTL8189ETV	802.11b/g/n	1T1R	/	/	/	SDIO			√	√	√	
	IC	RTL8189FTV	802.11b/g/n	1T1R	/	/	/	SDIO 2.0			√	√	√	
	IC	RTL8192EU	802.11b/g/n	2T2R	/	/	/	USB					√	
	IC	RTL8723BS	802.11b/g/n	1T1R	BT4.1	/	/	SDIO3.0			√	√	√	
	IC	RTL8723BU	802.11b/g/n	1T1R	BT4.1	/	/	USB					√	
	IC	RTL8811AU	802.11ac/a/b/g/n	1T1R	/	/	/	USB					√	
	IC	RTL8822BS	802.11ac/a/b/g/n	2T2R	BT4.0	/	/	SDIO3.0					√	

Note: The listed support list applies to all Amlogic STB SoCs unless otherwise stated.

Manufacturer	Type	Part Number	Features								Android Platform			Note
			WiFi	T/R	BT	GPS	NFC	Interface	Package	Remark	6.0	5.1	4.4	
	IC	RTL8812AU-VS	802.11ac/a/b/g/n	2T2R	/	/	/	USB2.0					√	

History		
Date	Revision	Description
2017/4/5	V2.6	Update BCM43241,BCM4354, BCM4356 BT information, update SSV6051P information, add QCA6174A on andriod 6.0 and 4.4, RTL8822BS on
2017/2/23	V2.5	Add SSV6051 on andriod 6.0, 5.1
2016/11/17	V2.4	Add BCM4358 andriod 6.0，update BT information
2016/11/3	V2.3	Add AP6356S on andriod 4.4
2016/9/1	V2.2	Add QCA9377, RTL8723BS on andriod 6.0
2016/8/8	V2.1	Add Ap6212 and AP6356S on andriod 6.0
2016/7/6	v2.0	Add RTL8189FTV and AP6255 on andriod 6.0
2016/6/3	v1.9	Add AP6335 on android 6.0
2016/5/6	V1.8	Add AP6181 and RTL8189ETV information
2016/4/11	v1.7	Add MT7601 on 4.4
2016/3/3	V1.6	Add RLT8188FTV on 5.1
2015/12/4	v1.5	Add RTL8189FTV on 5.1
2015/9/29	v1.4	Add AP6330/RTL8723BS on 5.1
2015/8/27	v1.3	Add AP6212 and AP6335 on 5.1
2015/7/31	v1.2	Add AP6356
2015/6/8	v1.1	Add S905 temporary support info
2015/3/31	v1.0	Add support AP6212
2014/12/5	v0.9	Add support AP6354
2014/10/30	v0.8	Add support RTL8723BU
2014/8/14	v0.7	Add support RTL8189ETV-02D, RTL8723BS
2014/7/22	v0.6	Add support RTL8811AU, RTL8812AU-VS, NPC100
2014/5/30	v0.5	Add support PN544C, BCM20793, UM220-III, WL1837
2014/5/4	v0.4	Add support AP6234, AP6210B, AR1021X, AR1021G, QCA6006X, RDA5991, RTL8723BS
2014/3/17	v0.3	Initial version release

Amlogic Ethernet PHY Qualified Peripheral List for STB   *v0.8*

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Type	Part Number	Features		Remark	S812	S805	S905	Note
Atheros	RMII	AR8032				D/A	D/A		
IC Plus	RMII	IP101GR				√	√	√	
Micrel	RMII	KSZ8081RNA				D/A	D/A		
	RMII	KSZ8081RND				D/A	D/A		
	RMII	KSZ8091RND				√	D/A		
Realtek	RGMII	RTL8211F				√	√	√	

History		
Date	Revision	Description
2015/7/28	v0.8	Add RTL8211F for S905
2015/6/8	v0.7	Add S905 temporary support info
2015/5/20	v0.6	Add support RTL8211F
2014/6/13	v0.4	Add S805 support list
2014/3/17	v0.3	Initial version release

Amlogic Audio CODEC Qualified Peripheral List for STB   *v0.6*   *2015/7/28*

Note: The listed support list applies to all Amlogic STB SoCs unless otherwise stated.

Manufacturer	Type	Part Number	Features				Android Platform		Note
						Remark	5.1	4.4	
Realtek	CODEC	ALC3261				3G voice communication		D/A	
	CODEC	ALC5631						D/A	
	CODEC	ALC5616						√	
Wolfson	CODEC	WM8960				Needs amplifier for speaker		D/A	
Everest	DAC	ES7134						√	Not work on S905
	DAC	ES7144						√	Not work on S905
	DAC	ES7154					√	√	
	CODEC	ES8312						√	
Cirrus Logic	DAC	CS4334						√	
	DAC	CS4344						√	
	DAC	CS4354					√	√	

History		
Date	Revision	Description
2015/7/28	v0.6	Add ES7154
2015/6/8	v0.5	Add Android 5.1 Support info
2014/12/5	v0.4	Add ES7134 and ES7144
2014/6/23	v0.3	Initial version release

Note: The listed support list applies to all Amlogic STB SoCs unless otherwise stated.

Manufacturer	Part Number	Type	Features			Android Platform		Note
			External Tuner	Interface	Remark	5.1	4.4	
Maxlinear	MXL241SF	DVB-C(only) demod+tuner	-			√	√	
	MXL101SF	DVB-T(only) demod+tuner	-				√	
	MXL683	ISDBT(only) demod	MXL608				√	
	MXL608	DVB-C/DTMB/T/T2/ISDBT tuner	can match other brand's demod				√	
SiLabs	SI2168	DVB-T/T2/C demod	Newport NMI120				√	
			-					
Availink	AVL6762	DVB-T/T2 demod					√	
	AVL6862	DVB-T/T2 demod					√	
	AVL6211	DVB-S/S2 demod	Airoha AV2012 (3.3V, QFN28)			√	√	
Altobeam	ATBM8881	DTMB/DVB-C demod				√	√	
Airthe	AV2012	S/S2	TDA18250B(3.3V, QFN48)				√	
Panasonic	MN88473	DVB-T/T2 demod			Port on customer projects		√	
	MN88436	ATSC demod			Port on customer projects	√	√	
ITE	IT9133	DVB-T demod+tuner	-	TS series, TS parallel			√	
	IT9173	ISDB-T demod+tuner	-	TS series, TS parallel			√	

History		
Date	Revision	Description
2015/8/27	v0.8	Add ATBM8881 and MN88436 on 5.1
2015/7/31	v0.7	Add support on Android 5.1, MXL241SF, AV6211
2015/6/30	v0.6	Add MXL683
2015/3/31	v0.5	Add support MXL608, AVL6762, AVL6862, ATBM8881, AV2012, MN88473, MN88436
2014/10/30	v0.4	Add support on Android 4.4, MXL241SF
2014/3/17	v0.3	Initial version release

Amlogic USB Camera Qualified Peripheral List for STB   *v0.5*   *2014/8/25*

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Type	Part Number	Features					S812	S805	Note
			Resolution	Output Format			Remark			
Logitech		C100	1.3Mp					√	√	
		C110	1.3Mp					√	√	
		C170	5Mp					√	√	
		C200	1.3Mp					√	√	
		C210	1.3Mp					√	√	
		C310	5Mp					√	√	
		C525	720p						√	
		C920	720p					√	√	
		C930e	3Mp					√	√	
HYUNDAI		HYC-S200	0.3Mp					N/A		
		HYC-W180	0.3Mp					N/A	N/A	
10moons		D802	2Mp					√		
		D804 RC	2Mp					√	√	
		R008	0.8Mp					√	N/A	
		S606	0.3Mp					√	N/A	
Unifly		3920	0.3Mp					√	√	
		HD300	1Mp					√	N/A	
		H500	2Mp					N/A	N/A	
		M018	5Mp					N/A	N/A	
Dostyle		CA101	720p					√	√	
BNT		Sword Shadow HD1080P Version	1080p					√	√	
Blue Lover		S1	5Mp						√	
YZT		QC258						N/A	N/A	

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Type	Part Number	Features				Remark	S812	S805	Note
			Resolution	Output Format						

History			
Date	Revision	Description	
2014/8/25	v0.5	Add C930e	
2014/6/13	v0.4	Add C200, HYC-S200, HYC-W180, 3920, CA101, Sword Shadow HD1080P version, C170, C525, C920, S606, S1, QC258	
2014/3/17	v0.3	Initial version release	

Amlogic USB Hub Qualified Peripheral List for STB　　　　　　*v0.3*　　*2014/6/13*

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Type	Part Number	Features				S812	S805	Note
			Standard	Downstream Port		Remark			
Genesys		GL852	USB2.0	4			√	√	
Terminus		FE1.1	USB2.0	4			√	√	

History		
Date	Revision	Description
2014/6/13	v0.3	Initial version release

Amlogic USB2LAN Qualified Peripheral List for STB   ***v0.3***

Note: The support list below is regardless of OS/Kernel version unless otherwise stated.

Manufacturer	Type	Part Number	Features				S812	S805	Note
			LAN			Remark			
ASIX	USB2LAN	AX88772A/B	RMII				√	√	

History		
Date	Revision	Description
2014/7/3	v0.3	Initial version release