



全志Connected Tablet解决方案 2015Q3

全球领先的4G LTE通话平板解决方案

首款64bit 高性能LTE SOC



最佳入门级LTE SOC



MSM8916主要特点：

1. 面向大众级市场的64位 SOC , 4xA53 1.2GHz
2. 最高集成7模 4G LTE
3. Adreno 306 PC级图形处理 , 支持OpenGL ES 3.0
4. 高达1080p的显示支持
5. 支持1300万后置 , 500万前置摄像头
6. 支持1080p视频编解码
7. 支持1x533MHz LPDDR2和LPDDR3
8. 集成快充QC1.0
9. 集成 GPS/GLONASS/北斗、Wi-Fi、NFC和蓝牙






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MSM8909主要特点：

1. 入门级4G LTE SOC , 4xA7 1.1GHz
2. 支持全网通4G LTE advanced with 2x10 CA
3. Adreno 304@409MHz
4. 1280x720显示支持
5. 支持800万后置，300万前置摄像头
6. 支持硬解H.265
7. 支持1x533MHz LPDDR2和LPDDR3
8. 集成快充QC2.0
9. 集成 GPS/GLONASS/北斗、Wi-Fi、NFC和蓝牙



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	MT8735M 	MSM8909	MT8735 	MSM8916 
Process	28nm	28nm	28nm	28nm
Apps CPU	4x Cortex-A53 1.0GHz 64-bit CPU	4x Cortex-A7 1.1GHz 32-bit CPU	4x Cortex-A53 1.3GHz 64-bit CPU	4x Cortex-A53 1.2GHz 64-bit CPU
Memory	1x LPDDR2 533MHz 1x LPDDR3 666MHz	1x LPDDR2 533MHz 1x LPDDR3 533MHz	1x LPDDR2 533MHz 1x LPDDR3 666MHz	1x LPDDR2 533MHz 1x LPDDR3 533MHz
Camera	8MP@30fp	8MP@30fp	13MP@30fps Dual ISP	13MP@30fps Single ISP
Video Decode	720p 30fps H.264	720p 30fps MPEG4 Hybrid	1080p 30fps H.264	1080p 30fps H.264
Video Encode	720p 30fps H.264 Hybrid	720p 30fps H.264 Hybrid	1080p 30fps	1080p 30fps
Graphics	ARM Mali-400 MP1 500MHz	Adreno 304 350MHz	ARM MaliT720-MP2 450MHz 900Mpixel/s	Adreno 306 400MHz 800Mpixel/s
Display	1024x600	720p	1280x800	1080p
Modem	LTE FDD/TDD R9 Cat4 150/50Mbps DC-HSPA+ R8 42/11Mbps TD-SCDMA/EDGE	LTE FDD/TDD R9 Cat4 150/50Mbps DC-HSPA+ R8 42/11Mbps TD-SCDMA/EDGE CDMA2000 1x/EVDO Rev. A	LTE FDD/TDD R9 Cat4 DC-HSPA+ R8 42/11Mbps TD-SCDMA/EDGE CDMA2000 1x/EVDO Rev. A	LTE FDD/TDD R9 Cat4 DC-HSPA+ R8 42/11Mbps TD-SCDMA/EDGE CDMA2000 1x/EVDO Rev. A
Connectivity	Integrated Wi-Fi abgn/BT/FM/GPS	Integrated Wi-Fi abgn/BT/FM/GPS/ Glonass/Beidou	Integrated Wi-Fi abgn/BT/FM/GPS/ Glonass/Beidou	Integrated Wi-Fi abgn/BT/FM/GPS/ Glonass/Beidou

Why Cellular Modem Performance Matters?

Get what you want faster, w/better quality

- Lower latency – quicker page loads in browsing, faster video start
- Higher quality audio and video: HD in more locations
- Faster downloads/uploads – pictures, files, etc.
- High quality VoLTE voice even at cell edge...



Better inter-Radio Performance

- Stay on the faster 4G network longer before transition
- Quicker transition from slower 3G network to 4G
- Fewer dropped data and voice sessions, seamless transitions (between 2G/3G/4G)



Longer Battery Life

- Delivering more bits/sec at lower milli-Watts
- Finish the download quicker and go to standby



Lower OpEx/CapEx for Operator w/explosive data demand

- Deliver more bits/sec under the same channel conditions
- Achieve overall **higher capacity** and **better coverage**
- Relatively lower need for base stations and spectrum

测试场景	功耗数据	MSM8916 (8 inch 800x1280 1+8)	Competitor M (7 inch 1024x600 1+8)
主界面	电压(V)	4	4
	电流(mA)	205	410
	功耗(mW)	820	1640
本地音乐(后台)	电压(V)	4	4
	电流(mA)	270	420
	功耗(mW)	1080	1680
黑屏音乐	电压(V)	4	4
	电流(mA)	50	60
	功耗(mW)	200	240
本地视频 1080P	电压(V)	4	4
	电流(mA)	340	450
	功耗(mW)	1360	1800
待机	电压(V)	4	4
	电流(mA)	2	3.1
	功耗(mW)	8	12.4
关机	电压(V)	4	4
	电流(mA)	0.2	0.2
	功耗(mW)	0.8	0.8

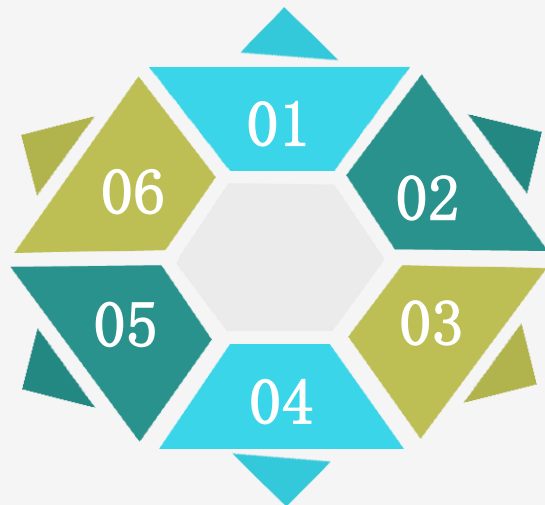
全志基于骁龙系列的Connected Tablet解决方案

六大优势：

世界顶级移动技术服务于用户
2G/3G/4G射频、调制解调技术
Android 5 and windows 10

优质客户资源共享
运营商认证无忧

四周量产
满足产品快速上市需求



最佳Turnkey解决方案
节省开发成本

最专业、最快速
本地化技术支持服务

无License费用问题
降低商业门槛

全志提供：



完整的硬件参考设计和SDK



生产质量保证指导



本地化技术支持



全套成熟的量产工具



通讯校准及工具培训和指导



可定制的软硬件服务

骁龙 410 Solution



Display: 8" or 6.95" IPS(1280*800 mipi)

Memory: EMCP(1GB LPDDR3, 8GB eMMC)

Battery: 3100mAh

Camera: Front 5m, Rear 2M

WIFI/BT/FM/GPS

RF前端: RF360

4G: TD-LTE: Band38/39/40/41 ;

3G: TD-SCDMA: Band34/39 ;

2G: GSM全频

骁龙 210 Solution



Display: 6.95" IPS(1024*600 mipi)

Memory: 1GB LPDDR3, 8GB eMMC

Camera: Front 5m, Rear 2M

WIFI/BT/FM/GPS

RF前端 : RFMD

Option1:

TD-LTE: B38/B39/B40/B41;TD-LTE: B41;

TD-SCDMA: B34/B39;

GSM全频

Option2:

FDD-LTE:B1/B3;

WCDMA: B1/B8;

GSM全频

全志Connected Tablet多模多频全球布局

China:

- 1. Bands-3 mode CMCC**
TDD-LTE Band 38, 39, 40, 41
TDS Band 34, 39
GSM Q band
- 2. Bands-4 mode CT**
TDD-LTE Band 41
FDD-LTE Band 1, 3
CDMA BC0
GSM Q band
- 3. Bands-4 mode CU**
TDD-LTE Band 41
FDD-LTE Band 1, 3
UMTS 1, 2, 8
GSM Q band

China:

- 1. Bands-5 mode CMCC**
TDD-LTE Band 38, 39, 40, 41
TDS Band 34, 39
FDD-LTE Band 3, 7
UMTS 1, 2, 5, 8
GSM Q band
- 2. Bands-5 mode CT**
TDD-LTE Band 41
FDD-LTE Band 1, 4
UMTS 1, 2, 5
CDMA BC0
GSM Q band

EU/NA:

- 1. Bands-Emerging**
FDD-LTE 3, 4, 7, 20/17, 26, 28
UMTS Band 1, 2, 4, 5, 8
GSM Q band

披荆斩棘 共创未来 Thank You !

微信二维码：



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