

Product name	Confidentiality level
E5770s	CONFIDENTIAL
Product version	Total 8 pages
V1.0	

# E5770s Firmware Release Notes

## V1.0

Prepared by	liuli	Date	2014-4-7
Reviewed by		Date	
Approved by		Date	



Huawei Technologies Co., Ltd.

All rights reserved

## Revision Record

Date	Revision version	FW-WebUI/Stick Version	Change Description	Author
2015-4-7	1.0	FW 21.200.15.00.00	First version	liuli

## Table of Contents

1	Main Features .....	4
2	Hardware.....	4
2.1	Hardware Specifications .....	5
3	Firmware .....	7
3.1	Version Description .....	7
3.2	Firmware Specifications .....	7
3.3	Improvement in the Previous Version .....	7
3.4	Known Limitations and Issues .....	9

## E5770s Firmware Release Notes V1.0

### 1 Main Features

The E5770s supports the following standards:

- LTE FDD (DL) data service of up to 150 Mbit/s
- LTE FDD (UL) data service of up to 50 Mbit/s
- LTE TDD (DL) data service of up to 112 Mbit/s (Configuration 2)
- LTE TDD (UL) data service of up to 20 Mbit/s (Configuration 1)
- DC-HSPA+ (DL) data service of up to 43.2 Mbit/s
- HSPA+ (DL) data service of up to 21.6 Mbit/s
- HSDPA (DL) data service of up to 14.4 Mbit/s
- HSUPA (UL) data service of up to 5.76 Mbit/s
- UMTS data service of up to 384 kbit/s
- EDGE data service of up to 236.8 kbit/s
- GPRS data service of up to 85.6 kbit/s
- Ethernet data service of up to 100 Mbit/s
- PS domain data service based on LTE/UMTS/GSM
- SMS based on UMTS and GSM
- Built-in LTE/UMTS/GSM and WLAN high gain antenna
- Micro Secure Digital Memory (microSD) Card
- SIM lock
- Wi-Fi and WPS
- LTE/3G/Wi-Fi auto offload
- Supply power to devices (working as a power bank)
- Support for HUAWEI Mobile WiFi App
- Press and Play
- IPv6/IPv4 dual stack (optional)
- Display current SSID and Wi-Fi key on the screen
- Built-in DHCP Server, DNS RELAY and NAT
- Online software upgrade
- Traffic statistic
- Ethernet port
- PPPoE dial up

- Standard Micro USB interface
- USB interface
- OLED-LCD screen
- Windows XP SP3, Windows Vista SP1/SP2, Windows 7, Windows 8, Windows 8.1 (does not support Windows RT), MAC OS X 10.7, 10.8 and 10.9 with latest upgrades

## 2 Hardware

### 2.1 Hardware Specifications

Item	Specifications	
Technical standard	WAN: LTE/DC-HSPA+/HSPA+/HSPA/UMTS/EDGE/GPRS/GSM	
	WLAN: IEEE 802.11b/g/n	
Operating frequency	LTE:	
	<ul style="list-style-type: none"> <li>• FDD B1(2100 MHz)/B3(1800 MHz)/B7(2600 MHz)</li> <li>• TDD B38(2600 MHz)/B40(2400 MHz)/B41(2600 MHz)</li> </ul>	
	DC-HSPA+/HSPA+/HSPA/UMTS: B1(2100 MHz)/B8(900 MHz)	
	EDGE/GPRS/GSM: B2(1900MHz)/B3(1800MHz)/B8(900MHz)/B5(850MHz)	
	WLAN: 2.4 GHz	
Internal memory	128 MB NAND flash and 128 MB DDR SDRAM	
Maximum transmitter power	LTE: Conform to Power Class 3 Definition	
	UMTS: Conform to Power Class 3 Definition	
	WLAN	802.11b: 12 dBm
		802.11g: 10 dBm
		802.11n: 9 dBm
Receiver sensitivity	LTE: Confirm to 3GPP Requirements	
	UMTS: Confirm to 3GPP Requirements	
	WLAN	802.11b: -76 dBm@11 Mbit/s
		802.11g: -65 dBm@54 Mbit/s
		802.11n: -64 dBm@65 Mbit/s
WLAN speed	802.11b: Up to 11 Mbit/s	
	802.11g: Up to 54 Mbit/s	



Item	Specifications	
	802.11n	HT20: Support MCS0–MCS7; Up to 72.2 Mbit/s. Support MCS8–MCS15; Up to 144.4 Mbit/s. HT40: Support MCS0–MCS7; Up to 150 Mbit/s. Support MCS8–MCS15; Up to 300 Mbit/s.
Maximum power consumption	4 W	
Power supply	AC: 100–240 V	
	DC: 5 V, 2 A	
Battery	Type: Li (rechargeable and irremovable)	
	Capacity: 3.7 V, 5200 mAh	
	Maximum working time: 20 hours (depending on the network)	
	Maximum standby time: 500 hours (depending on the network)	
External interfaces	Micro USB interface	
	USB interface (supplying power to other devices)	
	Standard microSD card interface	
	Standard 6-pin SIM card interface	
	Ethernet port: RJ45	
Screen	OLED-LCD	
key-press	Power switch, WPS switch, Reset switch	
Antenna	Built-in LTE/UMTS/GSM main antenna	
	Built-in LTE/UMTS diversity antenna	
	Built-in WLAN antenna	
Dimensions (W × D × H)	106.0 mm × 68.4 mm × 22.5 mm	
Weight	about 200 g (including the battery)	
Temperature	Operating: 0°C to +35°C	
	Storage: -20°C to +60°C	
Humidity	5% to 95% (non-condensing)	



## 3 Firmware

### 3.1 Version Description

Firmware Version:	21.200.15.00.00
Baseline information	Balong V7R11 C30B200

### 3.2 Firmware Specifications

Firmware		
Item	Specifications	
Version	21.200.15.00.00	
Information	Platform	Balong V7R11
	Baseline	C30B200
	Feature	LTE Supported
Data service	GSM CS domain	<ul style="list-style-type: none"> <li>Uplink: 9.6/14.4 kbit/s</li> <li>Downlink: 9.6/14.4 kbit/s</li> </ul>
	GPRS	<ul style="list-style-type: none"> <li>Uplink: 85.6 kbit/s</li> <li>Downlink: 85.6 kbit/s</li> </ul>
	EDGE	<ul style="list-style-type: none"> <li>Uplink: 236.8 kbit/s</li> <li>Downlink: 236.8 kbit/s</li> </ul>
	UMTS PS domain	<ul style="list-style-type: none"> <li>Uplink: 384 kbit/s</li> <li>Downlink: 384 kbit/s</li> </ul>
	HSDPA	<ul style="list-style-type: none"> <li>14.4Mbit/s</li> </ul>
	HSUPA	<ul style="list-style-type: none"> <li>5.76 Mbit/s</li> </ul>
	HSPA+	<ul style="list-style-type: none"> <li>21.6Mbit/s</li> </ul>
	DC HSPA+	<ul style="list-style-type: none"> <li>Uplink: 5.76 Mbit/s</li> <li>Downlink: 43.2Mbit/s</li> </ul>
	LTE FDD	<ul style="list-style-type: none"> <li>Uplink: 50Mbit/s</li> <li>Downlink: 150Mbit/s</li> </ul>
SMS	<ul style="list-style-type: none"> <li>SMS over SGs</li> </ul>	
Operating System	<ul style="list-style-type: none"> <li>Windows XP/Windows Vista/WIN 7/MAC/WIN8</li> </ul>	

### 3.3 Improvement in the Previous Version

问题单号	简要描述
<a href="#">DTS2015041409374</a>	【E5770s-923】【对外充电】电池关机对外充电至低电情况下显示 low battery（反复提示）再接外充情况下，插入 usb 线对内充电，会引起高概率自动开机
<a href="#">DTS2015041405718</a>	【E5770s-923】【LCD】单板开机拨号成功后，LCD 屏概率性出现连接时间显示。
<a href="#">DTS2015041101170</a>	和入 42 国语言相关提示语言资源



<a href="#">DTS2015041008639</a>	【E5770s-923】【WEBUI】升级产品 WEBUI 版本到主线最新版本 WEBUI-V100R007B100D11SP00C03(17.100.11.00.03) ----- 当前 E5770s-923 的 WEBUI 版本为: WEBUI-V100R007B100D11SP00C03(17.100.09.01.00)
<a href="#">DTS2015040808780</a>	【E5770s-923】【LCD】关机自闭环形成后开机, 单板外屏不显示 USB ERROR
<a href="#">DTS2015040808696</a>	【E5770s-923】【LCD】开机单板形成自闭环后拔出 USB 线此时单板仍显示 “USB ERROR”
<a href="#">DTS2015040808647</a>	【E5770s-923】【USB HOST】反复上传文件后 USB HOST 功能异常, 新建文件夹、删除操作均提示失败, 继续上传文件时提示 “存储设备不存在”, 但此时可以正常下载 U 盘或移动硬盘内的文件
<a href="#">DTS2015040307997</a>	【E5770s-923】【webui】当流量达到限值时, webui 上无提示用户流量超限断网的提示语。
<a href="#">DTS2015040300972</a>	【安全特性】【CTF 产品】CTF 场景下, 当二层 fdb 表创建后, usb 到 wifi 的 ARP 欺骗报文不经过协议栈, 导致通过 ARP 欺骗嗅探可成功嗅探整个内网的密码
<a href="#">DTS2015040200829</a>	【E5770s-320】关机时同时内外充拔掉内充后外充仍限流 1A 没有恢复 2A 输出
<a href="#">DTS2015033000908</a>	【E5770s-923】【对外充电】单板低电关机对外充电, LCD 屏幕上华为图标和低电提示切换闪烁。
<a href="#">DTS2015032608232</a>	【E5770s-923】【usb host】SD 卡和硬盘 (或 U 盘) 均在位, 移除 USB 线 cradle 接入进行多次文件上传, 出现 UI 卡死, 刷新后 WEB UI 打不开但可以 ping 通网关
<a href="#">DTS2015032607057</a>	【E5770s-923】【usb host】单板仅 SD 卡在位, 多次拔插 SD 卡刷新页面查看, 极低概率出现 SD 卡未加载上
<a href="#">DTS2015022707080</a>	【E5770s-923】【存储管理-help】最新方案 10%为低电量, usb host 和硬盘不能共享, 但 help 文档和用户手册中还没有更新
<a href="#">DTS2015012602965</a>	【Hilink】使用 Hilink APP 配套喵王二代测试 SD 卡功能, 在插入 SD 卡或硬盘的情况下, 点击 SD 卡管理, 需要等待几秒才能进入 SD 卡页面, 并且经常提示获取数据失败
DTS2015040801758	【E5770s-923】【USB HOST】开关机情况下插入 U 盘会持续耗电 120mA, 移动硬盘耗电 290mA, 最终会导致过放。
DTS2015031807121	【E5770s-923】【wifi】三星 D710 手机背靠单板放置, 手机上 WIFI 信号间歇性显示的 RSSI 值到 -255。
DTS2015031806580	【E5770s-923】【对外充电】单板开机状态下, 给手机对外充电, 概率性出现单板自动关机
DTS2015031609056	【E5770s-923】【对外充电】E5 电量为 12%, 开机状态, 连接 USB 与低电关机的手机 sc-c100, 手机会反复重启
DTS2015030403540	【E5770s-923】【用户体验】: 当单板关机电量 $\leq 10\%$ 可以对外充电, 但开机后 (电量 $\leq 10\%$ ) 却无法对外充电, 这会给用户带来困扰
DTS2015012304694	【E5770s-923】【充电】使用充电器给单板充电同时连接充电外设进行同时对内对外充电, 保持 12 小时左右后查看单板电量充满, 但充电外设电量为 65%左右, 并且此时停止对外充电。拔插充电外





	设后可以恢复
DTS2015021306010	【E5770s-923】【电源管理】HiLink 上显示的喵王工作时间不准确，95%电量，Hilink 电池续航时间为 5 小时 16 分，而实际单板宣称的工作时间为 20 小时，喵王已提供相关接口，待 HiLink 更新版本后进行验证
DTS2015042400097	单板关机对外充电，电量为 40% 左右时无法开机

### 3.4 Known Limitations and Issues

	问题单号	简要描述	等级
1	DTS2015030307895	E5770s-923】【库仑计】：单板接入充电器电量充至 100%时，重启开机电量会减少	Suggestion
2	DTS2015022606987	【E5770s-923】【特性模块】流量显示体验性不好：当用户流量超了导致停机后就不能看流量，用户想看超多少都没办法，建议用户停机时“仅不显示上下箭下载符号，流量还是要显示的，另外其他人有的需要流量自动清 0 有的不需要，建议在流量前面加个日期区间或者在配置界面设置清 0 模式”	Suggestion
3	DTS2015021306010	【E5770s-923】【电源管理】HiLink 上显示的喵王工作时间不准确，95%电量，Hilink 电池续航时间为 5 小时 16 分，而实际单板宣称的工作时间为 20 小时，喵王已提供相关接口，待 HiLink 更新版本后进行验证	Suggestion
4	DTS2015012304345	【E5770s-923】【对外充电】开机状态下对外充电，单板的 LED 屏幕上没有任何关于当前处于对外充电状态的提示图标。体验不好。	Suggestion
5	DTS2015011502488	【E5770s-923】【LCD】单板静置放置保证单板已经休眠，点击 power 使 LCD 点亮，LCD 先显示 UINCOM--->正在推出休眠的提示语---》再出现拨号动画--在显示 UINCOM	Suggestion
6	DTS2015010903297	【E5770S-923】【显示屏】当服务器上有新版本时，单板上提示更新的提示界	Suggestion



		面不够直白、美观。	
7	DTS2015010801720	【E5770s-923】 【21.200.05.01.00】 【WIFI】在屏蔽环境下，5770-923 抗干扰能力差于 5573-320, 5770-923 平均值为 43.83Mbps, 5573-320 为 71.48Mbps	Suggestion
8	DTS2014122304335	【E5770S-923】 【21.200.01.00.00】 【路由网关】在 USB 连接下，单板以太网拨号成功后，ping 包大小为 60000 以上，无法 ping 通	Suggestion
9	DTS2014121907658	【E5770s-923 -PC 兼容性测试—F(03)】 单板连接 PC, 安装后台后，USB 口遍历过程中，webui 页面自动弹出，页面内容为空，可以正常 ping 通网络，见截图	Minor
10	DTS2014121608245	【E5770s-923】 【LCD】单板长按(单板会关机)Power 和短按(单板进入二级菜单)Power 未作出区分，不管是长按还是短按外屏界面都会跳转到二级菜单。	Minor