

Product name	Confidentiality level
E8377s-153	CONFIDENTIAL
Product version	Total 10 pages
V1.6	

HUAWEI E8377s-153TCPU-V200R001B300D01SP00C00

## Release Notes V1.6

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**HUAWEI**

Huawei Technologies Co., Ltd.

## Revision Record

Date	Revision version	FW-WebUI/HiLink Version	Change Description	Author
2014-8-7	1.0	FW 21.295.99.01.00	The V3 Burn Version	Hefan 00216089
2014-8-11	1.1	FW 21.295.99.03.00	The V3 Burn Version	Hefan 00216089
2014-8-22	1.2	FW 21.295.02.00.00		Hefan 00216089
2014-8-30	1.3	FW 21.295.03.00.00	The first transfer to test version	Hefan 00216089
2014-10-11	1.4	FW 21.299.01.00.00	The second transfer to test version	Hefan 00216089
2014-11-08	1.5	FW 21.299.03.00.00	The TR5/TR6 version	Hefan 00216089
2014-11-24	1.6	FW 21.300.01.00.00	The TR5/TR6 version	Hefan 00216089

# Table of Contents

1	Main Features .....	4
2	Hardware .....	5
2.1	Version Description .....	5
2.2	Hardware Specifications .....	5
2.3	Software Specifications .....	7
2.4	Improvements in the Previous Version .....	8
2.5	Known Limitations and Issues .....	8
3	Firmware.....	8
3.1	Version Description .....	8
3.2	Firmware Specifications .....	8
3.3	Improvement in the Previous Version .....	8
3.3.1	Version 21.300.01.00.00 .....	8
3.3.2	Version 21.299.03.00.00 .....	9
3.3.3	Version 21.299.01.00.00 .....	9
3.3.4	Version 21.295. 99.02.00 .....	10
3.3.5	Version 21.295.99.01.00 .....	10
3.4	Known Limitations and Issues .....	10
4	WebUI/HiLink .....	10
4.1	Version Description .....	10
4.2	WebUI/HiLink Specifications .....	10
4.3	Improvement in the Previous Version .....	11
4.4	Known Limitations and Issues .....	11
5	Accessory Product from other Vendor .....	11
5.1	Version Description .....	11
5.2	Known Limitations and Issues .....	11
6	Others.....	11
7	Reference .....	11

# HUAWEI E8377s-153TCPU-V200R001B300D01SP00C00

## Release Notes V1.6

Abbreviations	Description

## 1 Main Features

The E8377s-153 supports the following features:

- LTE FDD: Band 1(2100 MHz)/Band 3(1800 MHz)/Band 5(850 MHz)/Band 7(2600 MHz)/Band 8(900 MHz)/Band 20(800 MHz)
- DC-HSPA+/HSPA+/UMTS: Band1(2100 MHz), Band8(900 MHz)
- GSM/GPRS/EDGE 850/900/1800/1900 MHz
- LTE FDD cat.4, data service of up to DL 150 Mbit/s/UL 50 Mbit/s
- DC-HSPA+ downlink data service of up to 43.2 Mbit/s
- HSPA+ downlink data service of up to 21.6 Mbit/s
- HSDPA data service of up to 14.4 Mbit/s
- HSUPA data service of up to 5.76 Mbit/s
- WCDMA data service of up to 384 kbit/s
- EDGE packet data service of up to 236.8 kbit/s
- GPRS packet data service of up to 85.6 kbit/s
- LTE over SGS Short Message Service (SMS)
- Receive diversity
- Inner antenna
- RNDIS interface
- IPv6 Firewall, UPnP, ALG and NAT function
- LTE DL 2\*2 MIMO
- Standard USB 2.0 interface
- Wi-Fi AP, supports up to 10 users
- Support for HUAWEI Mobile WiFi App
- HiLink features (Driver free, Zero installation)

The E8377s-153 provides the following services:

- LTE FDD packet data service;
- DC-HSPA+ packet data service;
- HSPA+ packet data service;
- HSPA (HSUPA/HSDPA)/UMTS packet data service ;

- EDGE/GPRS packet data service;
- LTE over SGS Short Message Service (SMS).

## 2 Hardware

### 2.1 Version Description

Hardware Version:	CL0E8377SM
Platform & Chipset:	Balong Hi6930 V7R2M, Realtek 8189

### 2.2 Hardware Specifications

Item	Specifications
Technical standard	<p>LTE Rel 9</p> <p>WCDMA Rel '99 plus Rel 5 HSDPA, Rel 6 HSUPA, Rel 7 HSPA+(cat 14), Rel 8 DC-HSPA+(cat 24)</p> <p>GSM/GPRS/EDGE Rel 99</p> <p>WLAN 802.11 b/g/n</p>
Operating frequency	<p>LTE FDD 800 MHz:</p> <p>832 MHz~862 MHz(Uplink)/791 MHz~821 MHz(Downlink)</p> <p>LTE FDD 850 MHz:</p> <p>824 MHz~849 MHz(Uplink)/869 MHz~894 MHz(Downlink)</p> <p>LTE FDD 1800 MHz:</p> <p>1710 MHz~1785 MHz(Uplink)/1805 MHz~1880 MHz(Downlink)</p> <p>LTE FDD 2600 MHz:</p> <p>2500 MHz~2570 MHz(Uplink)/2620 MHz~2690 MHz(Downlink)</p> <p>LTE FDD/UMTS/HSPA+ 2100 MHz:</p> <p>1920 MHz~1980 MHz(Uplink)/2110 MHz~2170 MHz(Downlink)</p> <p>LTE FDD/UMTS/HSPA+ 900 MHz:</p> <p>880~915 MHz(Uplink)/925~960 MHz(Downlink)</p> <p>GSM/GPRS/EDGE 850 MHz:</p> <p>824 MHz~849 MHz(Uplink)/869 MHz~894 MHz(Downlink)</p> <p>GSM/GPRS/EDGE 900 MHz:</p> <p>880 MHz~915 MHz(Uplink)/925 MHz~960 MHz(Downlink)</p> <p>GSM/GPRS/EDGE 1800 MHz:</p> <p>1710 MHz~1785 MHz(Uplink)/1805 MHz~1880MHz(Downlink)</p> <p>GSM/GPRS/EDGE 1900 MHz:</p> <p>1850 MHz~1910 MHz(Uplink)/1930 MHz~1990 MHz(Downlink)</p> <p>WLAN: 2412 MHz~2472 MHz</p>
Memory capability	1Gbit Flash, 1Gbit Memory

Item	Specifications	
Maximum transmitter power	LTE: +23 dBm (Power Class 3)	
	WCDMA/HSPA/HSPA+/DC-HSPA+: +24 dBm	
	GSM/GPRS 850/900MHz: +33 dBm (Power Class 4)	
	GSM/GPRS 1800/1900MHz: +30 dBm (Power Class 1)	
	EDGE 850/900MHz: +27 dBm (Power Class E2)	
	EDGE 1800/1900MHz: +26 dBm (Power Class E2)	
	WLAN:	802.11b: 11 dBm 802.11g: 9 dBm 802.11n: 7 dBm
Static receiver sensitivity	LTE: Compliant with 3GPP TS 36.101(R9)	
	WCDMA/HSPA/HSPA+/DC-HSPA+: Compliant with 3GPP TS 25.101(R8)	
	GSM/GPRS/EDGE: Compliant with 3GPP TS 05.05 (R99)	
	WLAN 802.11b: -76dBm@11Mbps/-82dBm@1Mbps	
	WLAN 802.11g: -65dBm@54Mbps	
	WLAN 802.11n: -64dBm@65Mbps	
Whole-system consumption	< 20W	
Power supply	Input : 12V from the car's power socket Output: 5V/2A DC	
External interfaces	USB 2.0 High Speed	
	External antenna interface	
	microSIM(3FF) card	
key	Reset key、Power key	
LED	Indicates the status of the E8377s-153	
Dimensions (D × W × H)	59 mm ×49 mm ×88 mm	
Weight	< 50g	
Temperature	• 工作环境温度: -10℃~+35℃ • 存储环境温度: -20℃~+70℃	
Humidity	5% to 95%	

## 2.3 Software Specifications

Item	Description
SMS	<ul style="list-style-type: none"> <li>• Writing/Sending/Receiving</li> <li>• Sending/Receiving extra-long messages</li> <li>• Delete messages</li> <li>• Storage: Up to 500 SMS.</li> <li>• Sorting</li> <li>• New message prompt (visual prompt/audio prompt)</li> </ul>
Network connection setup	<ul style="list-style-type: none"> <li>• Profile management (Create/Delete/Edit)</li> <li>• Set up network connection</li> </ul>
WLAN setup	SSID broadcast and conceal Authentication of Open System Support ASCII or HEX password 64/128bits WEP Encryption WPA-PSK、WPA2-PSK Encryption TKIP, AES Encryption Algorithm TKIP and AES mixed Encryption Algorithm auto speed adjustment <ul style="list-style-type: none"> <li>• STA management</li> <li>• MAC Filter</li> </ul>
Firewall setup	supporting firewall activation and deactivation supporting LAN IP address filtering supporting Virtual Server supporting DMZ supporting UPnP supporting WAN Ping block
DHCP setup	<ul style="list-style-type: none"> <li>• supporting DHCP Server deactivation and activation</li> <li>• supporting DHCP Server address configuration</li> <li>• supporting DHCP lease configuration</li> </ul>
Other	Network connection settings:
	Automatic network selection and registration
	Network status display: signal, operator name, system mode, and so on.
	Selection of network connection types

Item	Description
	UICC PIN/PUK: activate/deactivate PIN, changing PIN, unblocking by using the PIN&PUK.

## 2.4 Improvements in the Previous Version

Index	Case ID	Issue Description
Hardware Version		CL0E8377SM
Previous Version	Hardware	CL0E8377SM
NA		

## 2.5 Known Limitations and Issues

Index	Case ID	Issue Description
NA		NA

# 3 Firmware

## 3.1 Version Description

Firmware Version:	21.300.01.00.00
Baseline information	Hi6930M V7R2M C00B300

## 3.2 Firmware Specifications

Item	Specifications
1	The TR5/TR6 version
2	

## 3.3 Improvement in the Previous Version

### 3.3.1 Version 21.300.01.00.00

Index	Case ID	Issue Description
Firmware Version		21.300.01.00.00
Previous Firmware Version		/
1		The TR5/TR6 version
2	DTS2014112101226	【 E5377Bs-605 21.198.01.00.00 】 【 webui 】 在 mac10.10上安装好驱动后打开webui不能登陆。



Index	Case ID	Issue Description
3	DTS2014112000198	【P720s R002】R207在澳洲VDF客户实验室，上报使用MAC电脑USB连接R207时，经常在网上网时候不打开网页
4	DTS2014111306291	【E8377s-153_21.299.03.00.00】 安卓手机mc连接单板，修改单板SSID，单板死机
5	DTS2014111304504	【E8377s-153_21.299.03.00.00】 【MC短信界面】 Carfi产品不配套UI，所以MC界面短信只能管理收件箱，无法管理发件箱和草稿箱
6	DTS2014111207242	【E8377s-153_21.299.03.00.00】【数据业务】pin码开启，单板USB连接pc,解pin后，注册上漫游网络，将单板设置为自动拨号，数据漫游关闭的情况下，单板可以拨号成功

### 3.3.2 Version 21.299.03.00.00

Index	Case ID	Issue Description
Firmware Version		21.299.01.00.00
Previous Firmware Version		/
1		The TR5/TR6 version
2	DTS2014110602734	【规格变更】LTE--->WiFi规格修改为60M，需要SDIO时钟调节为48M，同时，WiFi带宽的默认配置为20/40Mz自适应
3	DTS2014110405188	安全问题整改，E8377s-153需要去掉销售管家特性
4	DTS2014103103565	要增加Mobile_logger特性
5	DTS2014102005377	解决单板插入写了SPN和PNN的SIM卡，开机，在非漫游网络下，概率性不显示PNN的问题
6	DTS2014102002672	解决问题：通过MC3.0修改单板wifi密码后，需要手动忘记一次密码，之后再次点击ssid才可弹出新密码输入框，输入密码进行连接，易用性不好
7	DTS2014091608405	解决WIFI多用户长时间数据业务，WIFI挂死问题

### 3.3.3 Version 21.299.01.00.00

Index	Case ID	Issue Description
Firmware Version		21.299.01.00.00
Previous Firmware Version		/
1		The second transfer to test version
2	DTS2014101001810	产品没有修改版本通告，直接使用平台的模板，导致版本通告问题
3	DTS2014092901469	【新需求】carfi产品要求将mc放入flash，并支持用户下载安装。
4	DTS2014093003063	升级SIMLOCK方案到SIMLOCK3.0版本
5	DTS2014093008690	E8377s-153商用版本，需要关闭USB DUMP功能
6	DTS2014092404715	【开机】优化开机点亮闪灯时间
7	DTS2014091608585	【搜网】单板在手动搜网过程中异常进dump了
8	DTS2014091204504	【8377】realtek提供补丁，优化发包能力。

Index	Case ID	Issue Description
9	DTS2014091008922	产品根据V3转测试摸底情况，需要修改wifi信道规格，要求只使用1-7信道，禁用8-13信道

### 3.3.4 Version 21.295.99.02.00

Index	Case ID	Issue Description
<b>Firmware Version</b>		21.295.03.00.00
<b>Previous Version</b>	<b>Firmware Version</b>	/
1		V3 Burn version modified the value to positive according to the Conversion rules When the offset power value is negative
2		Modified the prodtype to be "wingle"

### 3.3.5 Version 21.295.99.01.00

Index	Case ID	Issue Description
<b>Firmware Version</b>		21.295.99.02.00
<b>Previous Version</b>	<b>Firmware Version</b>	21.295.99.01.00
1		V3 Burn version

## 3.4 Known Limitations and Issues

Index	Case ID	Issue Description
1		NA
2		
3		

## 4 WebUI/HiLink

### 4.1 Version Description

WebUI/HiLink Version:

### 4.2 WebUI/HiLink Specifications

Item	Specifications

### 4.3 Improvement in the Previous Version

Index	Case ID	Issue Description
WebUI Version		
Previous Version	WebUI	
1		
2		
3		

### 4.4 Known Limitations and Issues

Index	Case ID	Issue Description
1		
2		
3		

## 5 Accessory Product from other Vendor

### 5.1 Version Description

Accessory Product Version:

### 5.2 Known Limitations and Issues

## 6 Others

## 7 Reference