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HUAWEI E8377s-153TCPU-V200R001B295D07SP00C00

Release Notes V1.8

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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
2014-09-11	1.4	FW 21.295.99.03.00	The VN1 Burn Version	Hefan 00216089
2014-09-16	1.5	FW 21.295.99.04.00	The VN1 Burn Version	Hefan 00216089
2014-10-06	1.6	FW 21.295.99.05.00	The VN1-1 Burn Version	Hefan 00216089
2014-10-14	1.7	FW 21.295.99.06.00	The VN2 Burn Version	Hefan 00216089
2014-11-10	1.8	FW 21.295.99.07.00	The Final VN2 Burn Version	Hefan 00216089

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HUAWEI E8377s-153TCPU-V200R001B295D99SP07C00

Release Notes V1.8

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	LTE Rel 9 WCDMA Rel '99 plus Rel 5 HSDPA, Rel 6 HSUPA, Rel 7 HSPA+(cat 14), Rel 8 DC-HSPA+(cat 24) GSM/GPRS/EDGE Rel 99 WLAN 802.11 b/g/n
Operating frequency	LTE FDD 800 MHz: 832 MHz~862 MHz(Uplink)/791 MHz~821 MHz(Downlink) LTE FDD 850 MHz: 824 MHz~849 MHz(Uplink)/869 MHz~894 MHz(Downlink) LTE FDD 1800 MHz: 1710 MHz~1785 MHz(Uplink)/1805 MHz~1880 MHz(Downlink) LTE FDD 2600 MHz: 2500 MHz~2570 MHz(Uplink)/2620 MHz~2690 MHz(Downlink) LTE FDD/UMTS/HSPA+ 2100 MHz: 1920 MHz~1980 MHz(Uplink)/2110 MHz~2170 MHz(Downlink) LTE FDD/UMTS/HSPA+ 900 MHz: 880~915 MHz(Uplink)/925~960 MHz(Downlink) GSM/GPRS/EDGE 850 MHz: 824 MHz~849 MHz(Uplink)/869 MHz~894 MHz(Downlink) GSM/GPRS/EDGE 900 MHz: 880 MHz~915 MHz(Uplink)/925 MHz~960 MHz(Downlink) GSM/GPRS/EDGE 1800 MHz: 1710 MHz~1785 MHz(Uplink)/1805 MHz~1880MHz(Downlink) GSM/GPRS/EDGE 1900 MHz: 1850 MHz~1910 MHz(Uplink)/1930 MHz~1990 MHz(Downlink) WLAN: 2412 MHz~2472 MHz
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"> • Writing/Sending/Receiving • Sending/Receiving extra-long messages • Delete messages • Storage: Up to 500 SMS. • Sorting • New message prompt (visual prompt/audio prompt)
Network connection setup	<ul style="list-style-type: none"> • Profile management (Create/Delete/Edit) • Set up network connection
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"> • STA management • MAC Filter
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"> • supporting DHCP Server deactivation and activation • supporting DHCP Server address configuration • supporting DHCP lease configuration
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:	21.295.99.07.00
Baseline information	Hi6930M V7R2M C00B295

3.2 Firmware Specifications

Item	Specifications
1	VN2 Final Burn version

3.3 Improvement in the Previous Version

3.3.1 Version 21.295.99.07.00

Index	Case ID	Issue Description
Firmware Version		21.295.99.07.00
Previous Version	Firmware	/
1		Support SIMLOCK3.0
2		

3.3.2 Version 21.295.99.06.00

Index	Case ID	Issue Description
Firmware Version		21.295.99.05.00
Previous Version	Firmware	/
1		Modified the RF NV
2		Modified the LED flash time to be 2s

3.3.3 Version 21.295.99.05.00

Index	Case ID	Issue Description
Firmware Version		21.295.99.05.00
Previous Version	Firmware	/
1		The VN1-1 Burn version
2		MMI test will detection the SIM temperature

3.3.4 Version 21.295.99.04.00

Index	Case ID	Issue Description
Firmware Version		21.295.99.04.00
Previous Version	Firmware	/
1		The VN1 Burn version
2		Modified the WIFI clock to be 24MHZ

3.3.5 Version 21.295.99.03.00

Index	Case ID	Issue Description
Firmware Version		21.295.99.03.00
Previous Version	Firmware	/
1		The VN1 Burn version

3.3.6 Version 21.295.03.00.00

Index	Case ID	Issue Description
Firmware Version		21.295.03.00.00
Previous Version	Firmware	/
1		The first transfer to test version

3.3.7 Version 21.295. 99.02.00

Index	Case ID	Issue Description
Firmware Version		21.295.03.00.00
Previous Version	Firmware	/

Index	Case ID	Issue Description
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"

3.3.8 Version 21.295.99.01.00

Index	Case ID	Issue Description
Firmware Version		21.295.99.02.00
Previous Firmware Version		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 WebUI Version		
1		
2		

Index	Case ID	Issue Description
WebUI Version		
Previous Version	WebUI	
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