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E5786s-32a	CONFIDENTIAL
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V1.6	

HUAWEI E5786s-32aTCPU-V200R001B297D03SP00C00

Release Notes V1.6

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Revision Record

Date	Revision version	FW-WebUI/HiLink Version	Change Description	Author
2014/2/25	1.0	FW 21.280.99.00.00	The 1 st Version For V3 Burn	E5786s-32a Team
2014/3/18	1.1	FW 21.280.09.00.00	The 2 nd Version For Testing	E5786s-32a Team
2014/5/10	1.2	FW 21.280.17.00.00	The 3 rd Version For Testing	E5786s-32a Team
2014/6/23	1.3	FW 21.292.03.00.00	The 4 th Version For Testing	E5786s-32a Team
2014/7/18	1.4	FW 21.296.01.00.00	The 5 th Version For Testing	E5786s-32a Team
2014/8/2	1.5	FW 21.297.01.00.00	The 6 th Version For Testing	E5786s-32a Team
2014/8/25	1.6	FW 21.297.03.00.00	The 7 th Version For Testing	E5786s-32a Team

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Abbreviations	Description

1 Main Features

The E5786s-32a supports the following features:

- *LTE data service up to 300 Mbit/s(cat 6)/150 Mbit/s(cat 4)*
- *DC-HSPA+ data service up to 43.2 Mbit/s*
- *HSPA+ data service up to 21.6 Mbit/s*
- *HSDPA packet data service of up to 14.4 Mbit/s*
- *HSUPA data service up to 5.76 Mbit/s*
- *WCDMA PS domain data service of up to 384 Kbit/s*
- *Equalizer and receive diversity*
- *microSD Card Slot (Up to 32G)*
- *Data and SMS Service*
- *WEB UI, Auto connect*
- *Plug and play*
- *Nonstandard USB3.0 ,and USB2.0*
- *Support menu operation on LCD*
- *Support WiFi 2.4GHz/5GHz*

2 Hardware

2.1 Version Description

Hardware Version:	CL3E5786SM
Platform & Chipset:	Balong Hi6930 V7R2M, Broadcomm 4354

2.2 Hardware Specifications

Item	Specifications
Technical standard	WAN: LTE/DC-HSPA+/HSPA+/HSPA/UMTS/EDGE/GPRS/GSM
	WLAN: IEEE 802.11a/b/g/n/ac
Operating frequency	LTE CA: <ul style="list-style-type: none">• FDD 2600 MHz + 1800 MHz/1800 MHz + 800 MHz/2600 MHz + 800 MHz /2600 MHz intra-band contiguous/2100 MHz intra-band contiguous/1800 MHz intra-band contiguous• TDD 2600 MHz intra-band contiguous

Item	Specifications	
	LTE:	
	<ul style="list-style-type: none"> FDD 2600/2100/1800/900/850/800 MHz TDD 2600 MHz 	
	DC-HSPA+/HSPA+/HSPA/UMTS: 2100/1900/900/850 MHz	
	EDGE/GPRS/GSM: 1900/1800/900/850 MHz	
	WLAN: 2.4 GHz, 5 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	802.11a: 10 dBm
		802.11b: 12 dBm
		802.11g: 11 dBm
		802.11n: 10 dBm (2.4 GHz); 10 dBm (5 GHz)
		802.11ac: 10 dBm
Receiver sensitivity	LTE: Confirm to 3GPP Requirements	
	UMTS: Confirm to 3GPP Requirements	
	WLAN	802.11a: -65 dBm@54 Mbit/s
		802.11b: -76 dBm@11 Mbit/s
		802.11g: -65 dBm@54 Mbit/s
		802.11n: -64 dBm@65 Mbit/s
		802.11ac: -64 dBm@65 Mbit/s
WLAN speed	802.11a: Up to 54 Mbit/s	
	802.11b: Up to 11 Mbit/s	
	802.11g: Up to 54 Mbit/s	
	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.
	802.11ac: Up to 867 Mbit/s	
Maximum power consumption	4 W	
Power supply	AC: 100–240 V	
	DC: 5 V, 2 A	



Item	Specifications
Battery	Type: Li (rechargeable and irremovable)
	Capacity: 3.7 V, 3000 mAh
	Maximum working time: 10 hours (depending on the network)
	Maximum standby time: 500 hours (depending on the network)
External interfaces	Micro USB interface (supports USB 3.0; to be used with Huawei USB cables when available)
	Standard microSD card interface
	Standard Micro 6-pin SIM card interface
	External main diversity antenna interface
Screen	TFT-LCD
key-press	Power switch, MENU 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 × 66.0 mm × 15.9 mm
Weight	about 145 g (including the battery)
Temperature	Operating: 0°C to +35°C
	Storage: -20°C to +60°C
Humidity	5% to 95% (non-condensing)

2.3 Improvements in the Previous Version

Index	Case ID	Issue Description
Hardware Version		CL3E5786SM Ver.A
Previous Version	Hardware	CL3E5786SM Ver.A
NA		

2.4 Known Limitations and Issues

Index	Case ID	Issue Description
NA		NA



3 Firmware

3.1 Version Description

Firmware Version: 21.297.03.00.00
Baseline information Hi6930 V7R2

3.2 Firmware Specifications

Item	Specifications

3.3 Improvement in the Previous Version

Index	Case ID	Issue Description
Firmware Version		21.297.03.00.00
Previous Firmware Version		21.297.01.00.00
1	Modification	Please refer to dts table.
2	Modification	WIFI FW update to h7 version.
3	Modification	Merge p720s dts problem.

3.4 Known Limitations and Issues

Index	Case ID	Issue Description
1	Unrealized Features	
2		
3		

4 WebUI/HiLink

4.1 Version Description

WebUI/HiLink Version:	E5786sWEBUI17.100.05.05.03
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4.2 WebUI/HiLink Specifications

Item	Specifications



Item	Specifications

4.3 Improvement in the Previous Version

Index	Case ID	Issue Description
WebUI Version		E5786sWEBUI 17.100.05.05.03
Previous WebUI Version		E5786sWEBUI 17.100.03.02.03
1	Modification	Please refer to dts table.
2	Modification	New WEBUI version.
3	Modification	Safe problems of CSRF and XSS.
4	Modification	Merge WEBSDK main line dts problem.

4.4 Known Limitations and Issues

Index	Case ID	Issue Description
1	Unrealized Features	
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