Product name	Confidentiality level
E5330As-2	CONFIDENTIAL
Product version	Total 11 pages
V1.0	

HUAWEI E5330As-2 Firmware Release Notes V1.0

Prepared by	E5330As-2 Team	Date	2013-11-26
Reviewed by	E5330As-2 Team	Date	2013-11-26
Approved by		Date	

Huawei Technologies Co., Ltd.

Revision Record

Date	Revision version	FW-WebUI/HiLink Version	Change Description	Author
2013-11-26	1.0	FW:21.210.03.01.143 WebUI: 15.100.05.02.143	*First Version*	E5330AS-2 Team

Table of Contents

E5330As-2 Firmware Release Notes V1.0

Abbreviations	Description

1 Main Features

The E5330As-2 mainly supports the following features:

- 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

- PS domain data service based on UMTS and GSM

- SMS based on CS/PS domain of GSM and UMTS

- Wi-Fi

- Five-second fast boot

- Support for HUAWEI Mobile WiFi App

- Press and Play

- 3G/Wi-Fi auto offload

- IPv6 /IPv4 dual stack (optional)

- Built-in DHCP Server, DNS RELAY and NAT

- Online software upgrade

- Traffic statistic

- Standard Micro USB interface

- HiLink features (Driverless, Zero installation)

- LED indicators

- Built-in UMTS and WLAN high gain antenna

- Windows XP SP3, Windows Vista SP1/SP2, Windows 7, Windows 8 (does not support Windows RT), MAC OS X 10.6, 10.7 and 10.8 with latest upgrades

2 Hardware

2.1 Version Description

Hardware Version: CH1E5336SM01

Platform & Chipset: Balong Hi6758 &Broadcom 43362

2.2 Hardware Specifications

Hardware specifications

Item	Specifications	
Technical standard	WAN: HSPA+/HSPA/UMTS/EDGE/GPRS/GSM	
	WLAN: IEEE 802.11b/g/n	
Operating frequency	HSPA+/HSPA/UMTS: 2100/900 MHz	
	EDGE/GPRS/GSM: 1900/1800/900/850 MHz	
	WLAN: 2400–2483.5 MHz	
Internal memory	128 MB Flash, 64 MB Memory	
Maximum transmitter power	UMTS: 24 (+1/-3) dBm	
	WLAN	802.11b: 14 (+/-3) dBm
		802.11g: 11 (+/-3) dBm
		802.11n: 9 (+/-3) dBm
Receiver sensitivity	UMTS: Confirm to 3GPP Requirements	
	WLAN 802.11b	-76 dBm@11 Mbit/s
		-82 dBm@1 Mbit/s
	WLAN 802.11g: -65 dBm@54 Mbit/s	
	WLAN 802.11n: -64 dBm@65 Mbit/s	
WLAN speed	802.11b: Up to 11 Mbit/s	
	802.11g: Up to 54 Mbit/s	
	802.11n: Support MCS0–MCS7; Up to 72.2 Mbit/s.	
Maximum power consumption	3.5 W	
Power supply	AC: 100–240 V	
	DC: 5 V, 1 A	

Item	Specifications	
Battery	Type: Li (rechargeable)	
	Capacity: 3.7 V, 1500 mAh	
	Maximum working time: 5–6 hours (depending on the network)	
	Maximum standby time: 300 hours (depending on the network)	
External interfaces	USB interface: Micro USB	
	SIM card interface: standard 6-pin SIM card interface	
Indicators	Signal	Green: Strong signal
		Orange: Weak signal
		Red: No signal
	Wi-Fi	Green: Wi-Fi turned on
		Blue: Connected to WLAN.
	Battery	Green: Sufficient battery
		Blinking green: Charging the battery
		Red: Low battery
	SMS	Green: New message
		Blinking green: Inbox full
	Power	Blinks slowly: The Mobile WiFi enters the standby mode
Button	Power switch, Reset switch	
Antenna	● Built-in GSM/UMTS main diversity antenna ● Built-in UMTS diversity antenna ● Built-in WLAN antenna	
Dimensions (W × D × H)	92.8 mm×60.0 mm×14.0 mm	
Weight	about 74 g (including the battery)	
Temperature	Operating: 0℃ to +35℃	
	Storage: -20℃ to +60℃	
Humidity	5% to 95% (non-condensing)	

2.3 Version Description

Firmware Version: 21.210.03.01.143

Baseline information :   BalongV300R300C50B210

2.4 Firmware Specifications

Item	Description
SMS	• Writing/Sending/Receiving • Sending/Receiving extra-long messages • Storage: Up to 500 messages can be saved in the internal memory of the E5330As-2. • New message prompt
Network connection setup	• APN management: create, delete and edit. • Set up network connection
WLAN setup	• SSID broadcasting and hiding • Open system and shared key authentication • ASCII and HEX keys • 64/128-bit WEP encryption • 256-bit WPA-PSK and WPA2-PSK encryption • AES encryption algorithm • TKIP and AES integrated encryption algorithm • Automatic adjustment of ratios • Display STA status • Turn off Wi-Fi automatically • WLAN MAC filter
Firewall setup	• Firewall Switch • LAN IP Filter • Virtual Server • ACL Service • DMZ Service • UPnP Service
NAT setup	CONE NAT Symmetric NAT ALG • VPN passthrough

Item	Description
DHCP setup	• DHCP server enabling and disabling • Address pool of the DHCP server setup • DHCP lease time setup
Software installation	Automatic installation (PnP)
3G/Wi-Fi auto offload	Accessing to WAN via 3G or Wi-Fi Automatic offload between 3G and Wi-Fi
IPv6/IPv4 dual stack (optional)	DHCPv6/v4 server and client DNSv6/v4 server and client Display IPv6/v4 WAN address
Other	Network connection settings: • Automatic network selection and registration • Manual network selection and registration
	Network status display: signal, operator name, system mode, and so on.
	Selection of network connection types, for example: • 3G Only • Auto
	PIN management: activate/deactivate PIN, PIN lock, changing PIN, unblocking by using the PUK.
System requirement	• Windows XP SP3, Windows Vista SP1/SP2, Windows 7, Windows 8 (does not support Windows RT) • Mac OS X 10.6, 10.7 and 10.8 with latest upgrades • Your computer's hardware system should meet or exceed the recommended system requirements for the installed version of OS

2.5 Improvement in the Previous Version

Index	Case ID	Issue Description
1	WPS	1 Requirements realized by reusing Power button WPS function:Double-click the power button to initiate WPS, while wifi lights flashing. 2.WEB UI support PIN Mode
2	GEA3	Support GEA3

2.6   Known Limitations and Issues
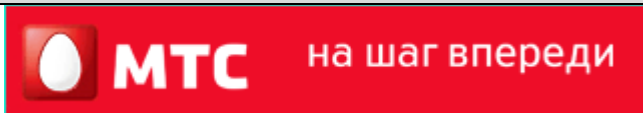
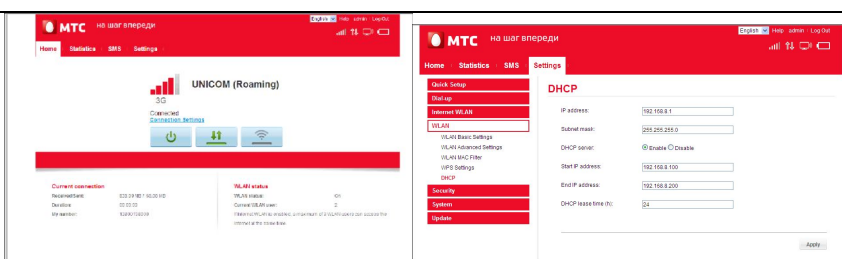| Index	Case ID	Issue Description
NA		

3   WebUI

3.1   Version Description
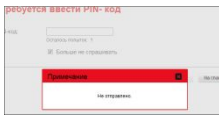
WebUI:15.100.05.02.143

3.2   WebUI Specifications

Item	Specifications
NA	NA

3.3   Improvement in the Previous Version

Index	Case ID	Issue Description
1	Logo	
2	WEB UI	
3	Language	Russian(default)+English
4	Profile parameters	Profile Name：MTS-Internet APN：internet.mts.ru User Name：mts Password：mts
5	WLAN parameters	SSID：MTS424D-XXXX XXXX is the last four characters of the MAC Address，MAC Address is capital) WIFI key: 8 random numbers (numbers +letters) Encryption Mode: WPA/WPA2-PSK WIFI Country：RU

6	Dial-up parameters	Authentication: CHAP Dial-up: Auto
7	Operator and PLMN	PLMN=25001 Operator name=MTS
8	SIMLOCK	25001
9	Modify the characters	1、 open a PIN, the default does not tick Remember password 2、PIN code strings need to be modified: "Не отправлено" to "Неправильный PIN-код" 3、In network settings page, after register a forbidden network unsuccessfully, the sentence in pop-up should change into "Н е удалось зарегистрироваться в сети".
10	Migration menu	Online upgrade function to move to the Settings directory, the system same level
11	Help	1.remove Let's Simply Share in help 2.Modify the content follow the attachment 备注-修改后.docx
12	remove huawei	The remove huawei words, and related huawei copyright information, including information to be synchronized to modify

13	WIFI	1、page all WiFi modified for Wi-Fi
		2、WIFI authentication mode share is amended to read as follows:
		  Russian: WEP
		  English: WEP-shared

14	Product Name	The device information page Product Name E5330 modify 424D
15	Time units	Max. Idle Time of units modified by the s for m, DHCP lease time units modified to h by s.
16	Modify the Russian strings	lang_ru_ru.js
17	other	Support URL filtering
18	Delete words	Delete the words block by black box as the capture shown:
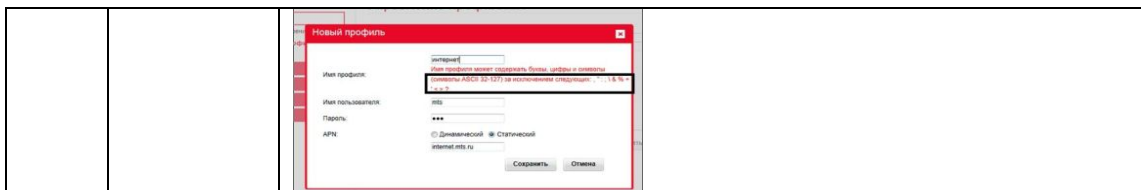
3.4 Known Limitations and Issue

Index	Case ID	Issue Description
NA		